
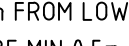
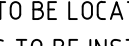

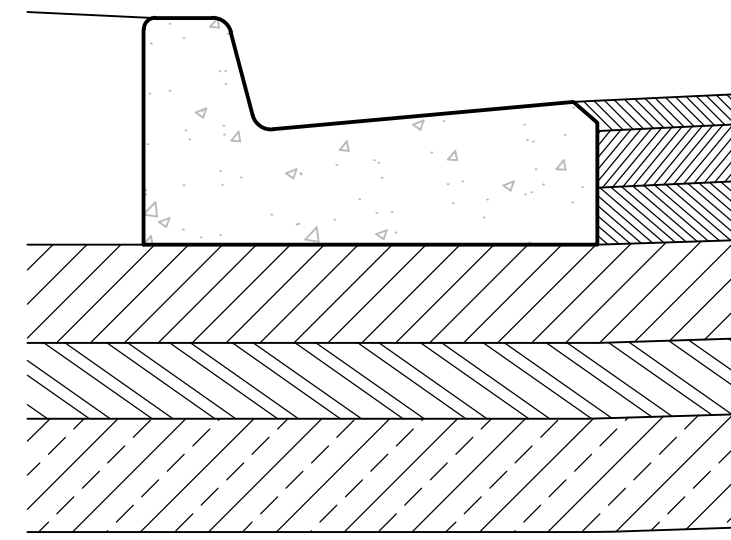
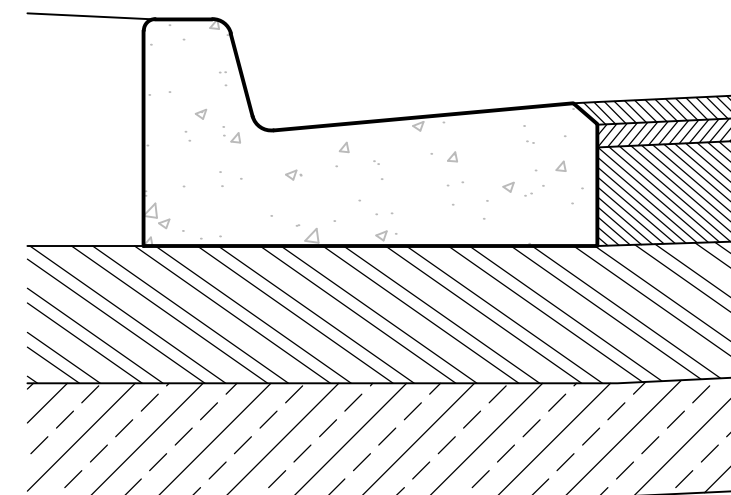


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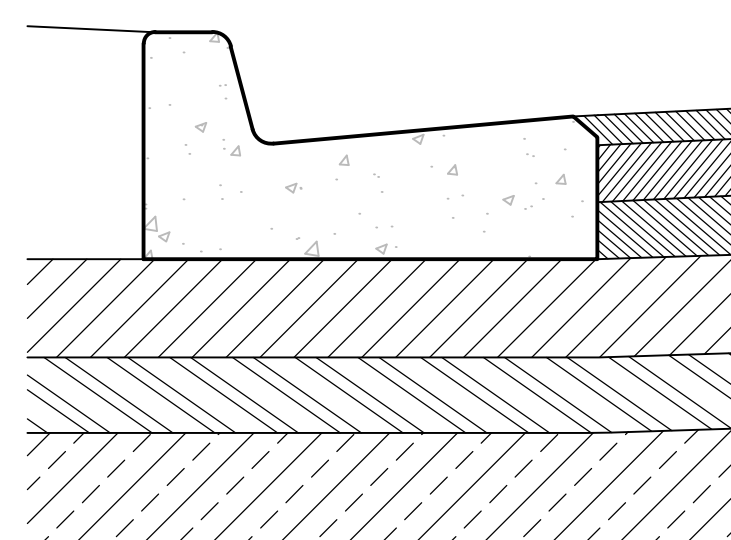
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PLANS APPROVED BY COUNCIL, COUNCIL STANDARDS & SPECIFICATIONS, CURRENT VPA AND THE GROWTH AREA AUTHORITY - GAA ENGINEERING DESIGN AND CONSTRUCTION MANUAL (EDCM) STANDARD DRAWINGS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE GROUP MANAGER - DEVELOPMENT AND TECHNICAL SERVICES.
- BEFORE COMMENCING WORK LOCATE EXISTING SERVICES AND NOTIFY APPROPRIATE AUTHORITIES IN PARTICULAR THOSE NOMINATED IN THE SPECIFICATION. COUNCIL TO BE NOTIFIED SEVEN DAYS PRIOR TO COMMENCEMENT OF WORKS.
- THE CONTRACTOR SHALL OBSERVE AND FULFILL ALL CURRENT OH&S LEGISLATION, VICTORIAN WORKSAFE AUTHORITY AND OTHER AUTHORITY GUIDELINES AND REQUIREMENTS AT ALL TIMES.
- ALL TRENCHING SHALL COMPLY WITH THE CODE OF PRACTICE FOR TRENCHES. BEFORE COMMENCING EXCAVATION ON ANY TRENCH GREATER THAN 15 METRES IN DEPTH, A NOTICE IS TO BE SENT TO THE VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE CODE. ALSO OBSERVE THE PROVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND ITS RELEVANT CODES OF PRACTICE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CONSTRUCTION AREA IN A SAFE CONDITION AND TO BE SURE THAT ADEQUATE BARRIERS, LIGHTS AND SIGNS ARE INSTALLED AND MAINTAINED WHERE NECESSARY. ALL SIGNS AND TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH AS 1742.1, 2 AND 3 AND AS DIRECTED BY THE SUPERINTENDENT. LINE MARKING SHALL BE IN ACCORDANCE WITH VICROADS REQUIREMENT WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION - SEE SECTION 710 AND 722)
- PRIOR TO THE COMMENCEMENT OF WORKS THE CONTRACTOR IS TO HAVE AN ENVIRONMENTAL MANAGEMENT PLAN (EMP) THAT SATISFIES CURRENT EPA AND COUNCIL REQUIREMENTS AND A TRAFFIC MANAGEMENT PLAN (TMP) TO SATISFY COUNCIL AND ROAD AUTHORITY REQUIREMENTS. THE REQUIREMENTS OF THE EMP AND TMP ARE TO BE MAINTAINED THROUGHOUT THE COURSE OF THE WORK.
- THE CONTRACTOR IS TO SUPPLY AND ESTABLISH APPROVED MEASURES TO CONTROL STORMWATER DISCHARGES DURING CONSTRUCTION. REFER DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT PUBLICATIONS "GUIDELINES FOR MINIMISING SOIL EROSION AND SEDIMENTATION FROM CONSTRUCTION SITES" AND "CONTROL OF SOIL EROSION FOR CONSTRUCTION SITES". A SITE MANAGEMENT PLAN IS TO BE SUBMITTED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT ON SITE.
- GRADE LOTS TO HAVE A UNIFORM SLOPE BETWEEN STATED LEVELS AND LEAVE CLEAN TO APPROVAL. DO NOT REMOVE TOPSOIL FROM SITE. ALL LOTS TO BE GRADED TO A MINIMUM FALL OF 1 IN 150. ON COMPLETION, THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM THE SITE.
- THE REMOVAL OR RETENTION OF ANY EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN, OR ELSE APPROVAL WILL BE REQUIRED FROM THE ENGINEER.
- DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM PIPE CENTRELINE CHAINAGES. DRAINS IN EASEMENTS TO BE 100mm OFFSET FROM ALLOTMENT TITLE BOUNDARY UNLESS OTHERWISE SHOWN. EASEMENTS TO BE 2.00m WIDE UNLESS OTHERWISE SHOWN. DRAINS IN ROAD RESERVES TO BE OFFSET AS SHOWN ON VPA AND THE GROWTH AREA AUTHORITY - GAA ENGINEERING DESIGN AND CONSTRUCTION MANUAL (EDCM). DRAINAGE PITS TO BE AS SCHEDULED AND TO ACCORD WITH MPA AND THE GROWTH AREA AUTHORITY - GAA ENGINEERING DESIGN AND CONSTRUCTION MANUAL (EDCM) STANDARDS AS APPROPRIATE.
- DRAINAGE PIPES TO BE A MINIMUM CLASS 2 REINFORCED CONCRETE TO AS 4058 SPECIFICATIONS, BEDDED, & BACKFILLED IN ACCORDANCE WITH MPA AND THE GROWTH AREA AUTHORITY - GAA ENGINEERING DESIGN AND CONSTRUCTION MANUAL (EDCM) AND THE FOLLOWING: ALL PIPES RUBBER RING JOINTED UNLESS OTHERWISE SHOWN. PIPES BENEATH ROAD PAVEMENTS, FOOTPATH AND VEHICLE CROSSINGS TO BE BACKFILLED WITH 20mm CLASS 2 FCR COMPACTED AS SPECIFIED.
- CUT AND FILL BATTERS ASSOCIATED WITH ROADWORKS TO BE COVERED WITH TOPSOIL, SEEDED WITH GRASS SEED AND STABILISED TO THE SATISFACTION OF THE ENGINEER. CUT/RISING FILL 1 IN 6 FILL 1 IN 6. VEHICLE CROSSINGS TO ALLOTMENTS ADJACENT TO CUT BATTERS EXCEEDING 1m IN HEIGHT TO HAVE ACCESS RAMPS TO PROPERTY OWNER'S AND COUNCIL SATISFACTION. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS STATED. FILLING WORKS & FILL COMPACTED TO CONFORM TO AS 1289 5.1.1 - 1993 AND ANY REVISIONS THERETO. ALLOTMENTS & ROAD RESERVES - 95% S.C.T.D - UNDER PAVEMENT - TOP 450mm 100% S.C.T.O, OTHERWISE 95% M.M.D. REFER TO AS 3798-1996 - GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS. ALL FILL MATERIAL MUST CONFORM TO THE EPA FILL MATERIAL GUIDELINES AND TO BE APPROVED BY THE ENGINEER PRIOR TO CARTING TO SITE. COMPACTION TESTING TO BE CARRIED OUT IN ACCORDANCE WITH STANDARDS BY NATA REGISTERED LABORATORY AND RESULTS SUBMITTED TO THE SUPERINTENDENT.
- PROVIDE EACH ALLOTMENT WITH A 100mm DIAMETER CLASS SM10 UPVC HOUSE DRAIN (ROAD DRAIN) OR PROPERTY INLET (TO EASEMENT DRAIN) AS APPROPRIATE. HOUSE DRAIN SHOWN THUS  TO BE PLACED 6.00m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE NOTED, ROAD DRAIN EXTENDING 500mm BEYOND TITLE BOUNDARY. PROPERTY CONNECTION SHOWN THUS  TO HAVE PROPERTY INLET GULLY OFFSET 1m FROM LOW CORNER OF LOT EXCEPT WHERE PRECLUDED BY PITS. INVERT LEVEL OF ALL PROPERTY INLETS TO BE MIN 0.5m BELOW FINISHED SURFACE LEVEL, UNLESS OTHERWISE SHOWN.
- 100mm SLOTTED POLYETHYLENE SUBSOIL DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL, CONCRETE EDGE STRIPS AND WHERE DIRECTED BY THE ENGINEER. USE CLASS 1000 FOR TRAFFIC AREAS, CLASS 400 OTHERWISE.
- PROVIDE CONDUITS FOR UNDERGROUND SERVICES WHERE AND TO DETAILS SHOWN BEFORE PAVEMENT CONSTRUCTION. GAS AND WATER CONDUITS TO BE 50mm CLASS 12 UPVC TO AS 1477. CONDUITS TO EXTEND TO 1500mm BEHIND BACK OF KERB WITH THE GAS CONDUIT EXTENDED 300mm INTO THE ALLOTMENT BEING SERVICED AND 300mm PAST THE END OF OFF STREET PARKING BAYS.
- EXISTING NATURAL AND MANMADE DEPRESSIONS TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. CONSULTING ENGINEER TO BE NOTIFIED WHEN EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO SITES BEING INSPECTED AND LEVELS TAKEN.
- STREET SIGNS SHOWN THUS  TO BE MITCHELL SHIRE COUNCIL STANDARD. OTHER SIGNS TO BE LOCATED TO THE APPROVAL OF COUNCIL'S SUPERINTENDENT OF WORKS. SIGNS, MARKINGS AND DELINEATORS TO BE INSTALLED AS APPLICABLE IN ACCORDANCE WITH AS 1742.2 (ALSO REFER NOTE 4 ABOVE)
- PSM SHOWN THUS  TO BE PROVIDED WITHIN FOOTPATH AREA AS SHOWN ON LAYOUT PLAN AND TO BE HIGH STABILITY TYPE
- DIMENSIONS AND LEVELS ARE IN METRES, LEVELS TO AUSTRALIAN HEIGHT DATUM.
- ALL SITEWORKS AND DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH EPA REQUIREMENTS (REFER EPA PUBLICATION "ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES"). ON-SITE TREATMENT OF SITE WATER MAY BE REQUIRED PRIOR TO ANY DISCHARGE TO THE STORMWATER DRAINAGE SYSTEM.
- PROVIDE TACTILE PAVEMENT IN ACCORDANCE WITH DDA STANDARD. (REF. VIC ROADS STD 2031)
- ROAD PAVEMENT TO COMPRISE: AS SHOWN BELOW



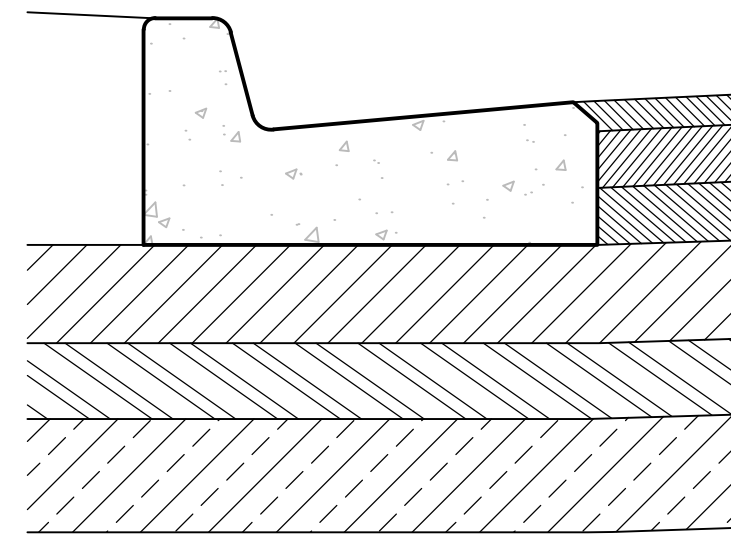
MURRAY STREET



CYPRESS CIRCUIT & BRISTLECONE STREET



AUSTRAL STREET



AUSTRAL ST - CYPRESS ST/BRISTLECONE ST ROUNDABOUT

PAVEMENT PROFILE COMPOSITION			LAYER THICKNESS	PAVEMENT DEPTH
(1) WEARING COURSE	40mm SIZE 14mm TYPE N CLASS C170 ASPHALT		40	40
(2) INTERMEDIATE COURSE	75mm SIZE 20 TYPE SI CLASS 320 ASPHALT		75	115
(3) BASE COURSE	75mm SIZE 20 TYPE SI CLASS 320 ASPHALT		75	190
(4) INTER LAYER	BITUMINOUS PRIME			
(5) BASE	130mm SIZE 20mm CEMENT TREATED CRUSHED ROCK (MIN 3% CEMENT, CLASS 3) COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		130	320
(6) SUBBASE	100mm SIZE 20mm CLASS 4 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		100	420
(7) CAPPING LAYER	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION, AS 1289.5.2.1		150	570
570mm TOTAL MINIMUM INCLUDING ASPHALT				
(8) CONSTRUCTION LAYER/STABILISED SUBGRADE	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION AS 1289.5.2.1 OR STABILISE EXISTING SUBGRADE TO MINIMUM 150mm DEPTH WITH MINIMUM 3% LIME CONTENT (MINIMUM CBR-10%)		150	720
(9) SUBGRADE	MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MIN. DENSITY RATIO 98% (STANDARD), AS 1289.5.1.1			

PAVEMENT PROFILE COMPOSITION			LAYER THICKNESS	PAVEMENT DEPTH
(1) WEARING COURSE	30mm SIZE 10mm TYPE I CLASS C170 ASPHALT		30	30
(2) BASE COURSE	30mm SIZE 10mm TYPE N CLASS C170 ASPHALT		30	60
(3) INTER LAYER	SIZE 10 SAMI OVER BITUMINOUS PRIME		-	-
(4) BASE	130mm SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION AS 1289.5.2.1		130	190
(5) SUBBASE	210mm SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION AS 1289.5.2.1		210	400
(6) CAPPING LAYER	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION, AS 1289.5.2.1		150	550
550mm TOTAL MINIMUM INCLUDING ASPHALT				
(7) CONSTRUCTION LAYER/STABILISED SUBGRADE	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION AS 1289.5.2.1 OR STABILISE EXISTING SUBGRADE TO MINIMUM 150mm DEPTH WITH MINIMUM 3% LIME CONTENT (MINIMUM CBR-10%)		150	700
(8) SUBGRADE	SUBGRADE MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MIN. DENSITY RATIO 98% (STANDARD), AS 1289.5.1.1			

PAVEMENT PROFILE COMPOSITION			LAYER THICKNESS	PAVEMENT DEPTH
(1) WEARING COURSE	40mm SIZE 14mm TYPE V CLASS C320 ASPHALT		40	40
(2) INTERMEDIATE COURSE	75mm SIZE 20 TYPE SI CLASS 320 ASPHALT		75	115
(3) BASE COURSE	75mm SIZE 20 TYPE SI CLASS 320 ASPHALT		75	190
(4) INTER LAYER	BITUMINOUS PRIME			
(5) BASE	135mm SIZE 20mm CEMENT TREATED CRUSHED ROCK (MIN 3% CEMENT, CLASS 3) COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		135	325
(6) SUBBASE	100mm SIZE 20mm CLASS 4 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		100	425
(7) CAPPING LAYER	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION, AS 1289.5.2.1		150	575
575mm TOTAL MINIMUM INCLUDING ASPHALT				
(8) CONSTRUCTION LAYER/STABILISED SUBGRADE	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION AS 1289.5.2.1 OR STABILISE EXISTING SUBGRADE TO MINIMUM 150mm DEPTH WITH MINIMUM 3% LIME CONTENT (MINIMUM CBR-10%)		150	725
(9) SUBGRADE	MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MIN. DENSITY RATIO 98% (STANDARD), AS 1289.5.1.1			

PAVEMENT PROFILE COMPOSITION			LAYER THICKNESS	PAVEMENT DEPTH
(1) WEARING COURSE	30mm SIZE 10mm TYPE V CLASS C320 ASPHALT		30	30
(2) BASE COURSE	30mm SIZE 10mm TYPE N CLASS 170 ASPHALT		30	60
(3) INTER LAYER	SIZE 10 SAMI OVER BITUMINOUS PRIME		-	-
(4) BASE	130mm SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		130	190
(5) UPPER SUBBASE	140mm SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		140	330
(6) LOWER SUBBASE	120mm SIZE 20mm CLASS 4 CRUSHED ROCK COMPACTED TO NOT LESS THAN 98% OF MODIFIED COMPACTION, AS 1289.5.2.1		120	450
(7) CAPPING LAYER	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION, AS 1289.5.2.1		150	600
600mm TOTAL MINIMUM INCLUDING ASPHALT				
(8) CONSTRUCTION LAYER/STABILISED SUBGRADE	150mm THICK SUITABLE CAPPING LAYER AS PER VICROADS/COUNCIL REQUIREMENTS, PERCENTAGE SWELL <15%, CBR<8%, COEFFICIENT OF PERMEABILITY k<1x10⁻⁹ m/s, COMPACTED TO A MIN. DENSITY OF 95% OF MODIFIED COMPACTION AS 1289.5.2.1 OR STABILISE EXISTING SUBGRADE TO MINIMUM 150mm DEPTH WITH MINIMUM 3% LIME CONTENT (MINIMUM CBR-10%)		150	750
(9) SUBGRADE	MATERIAL AS FOUND (SILTY CLAY) COMPACTED TO A MIN. DENSITY RATIO 98% (STANDARD), AS 1289.5.1.1			



LOCALITY PLAN N.T.S

DRAWING INDEX

SHEET NO.	DRAWING TITLE
SR1	GENERAL NOTES, LOCALITY PLAN AND DETAILS
SR2	DETAIL PLAN
SR3	LONGITUDINAL AND CROSS SECTIONS - 1 AUSTRAL STREET
SR4	CROSS SECTIONS - 2 AUSTRAL STREET
SR5	CROSS SECTIONS - 3 AUSTRAL STREET
SR6	LONGITUDINAL AND CROSS SECTIONS - 1 MURRAY STREET
SR7	CROSS SECTIONS - 2 MURRAY STREET
SR8	LONGITUDINAL AND CROSS SECTIONS - 1 CYPRESS CRESCENT - BRISTLECONE STREET
SR9	CROSS SECTIONS - 2 CYPRESS CRESCENT - BRISTLECONE STREET
SR10	INTERSECTION DETAILS AND KERB SET OUT - 1
SR11	INTERSECTION DETAILS AND KERB SET OUT - 2
SR12	INTERSECTION DETAILS AND KERB SET OUT - 3
SR13	DRAINAGE LONGITUDINAL SECTIONS - 1
SR14	DRAINAGE LONGITUDINAL SECTIONS - 2
SR15	DRAINAGE LONGITUDINAL SECTIONS - 3 AND PIT SCHEDULE
SR16	TEMPORARY RETARDING BASINS - DETAIL PLAN, LONGITUDINAL SECTIONS, DETAILS AND PIT SCHEDULE
SR17	SIGNAGE AND LINE MARKING PLAN

SERVICE AUTHORITY CONTACTS

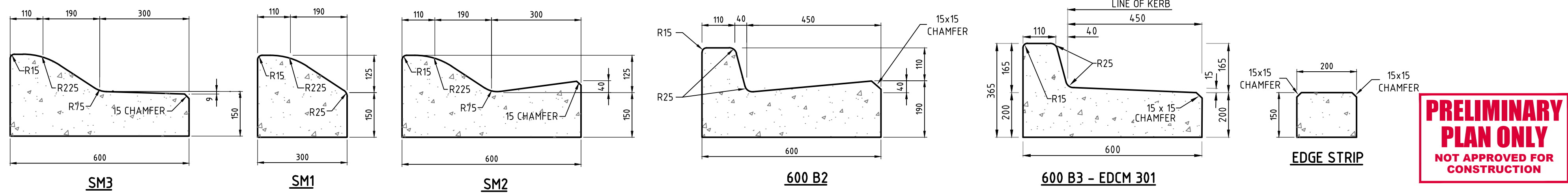
SERVICE	AUTHORITY	TELEPHONE
GAS RETICULATION	APA - GROUP	1800 085 628
WATER/SEWERS	YARRA VALLEY WATER	(03) 9872 1456
ELECTRICITY	AUSNET ELEC SERVICES	1800 088 208
TELECOMMUNICATION	TELSTRA	1800 653 935
TELECOMMUNICATION	NBN	1800 687 626
TELECOMMUNICATION	OPTICOMM	(03) 9024 9555

SERVICES SCHEDULE STAGE 5

STREET NAME	GAS	ND-WATER	D-WATER	TELSTRA	ELECT.	SEWER	ROAD RESERVE
MURRAY STREET	2.10 W	2.85 W	3.60 W / EX10.70 E (VARIES) x	1.85 E	2.50 E	1.00 E	30.18
AUSTRAL STREET	2.10 N	2.60 N	3.10 N	1.85 S	2.50 S	1.00 N	20.00
CYPRESS CRESCENT	2.10 E	2.60 E	3.10 E	1.85 W	2.50 W	1.00 W	16.00
BRISTLECONE STREET	2.10 W	2.60 W	3.10 W	1.85 E	2.50 E	1.00 E	16.00

x DENOTES EXISTING SERVICE EXACT LOCATION TO BE PROVEN ON SITE BY CONTRACTOR. ALL OFFSETS ARE REFERENCED TO NEAREST BL.

ROAD PAVEMENT DETAILS



PRELIMINARY PLAN ONLY
NOT APPROVED FOR CONSTRUCTION

H:\23017\STAGE-5\CADD\DWG-SET\ROAD AND DRAINAGE\23017_SR1.DWG

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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site prior to commencing works. No guarantee is given that all existing services are shown.

DRAWN BY	H.MARES	DESIGNED BY	J.SIGABALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

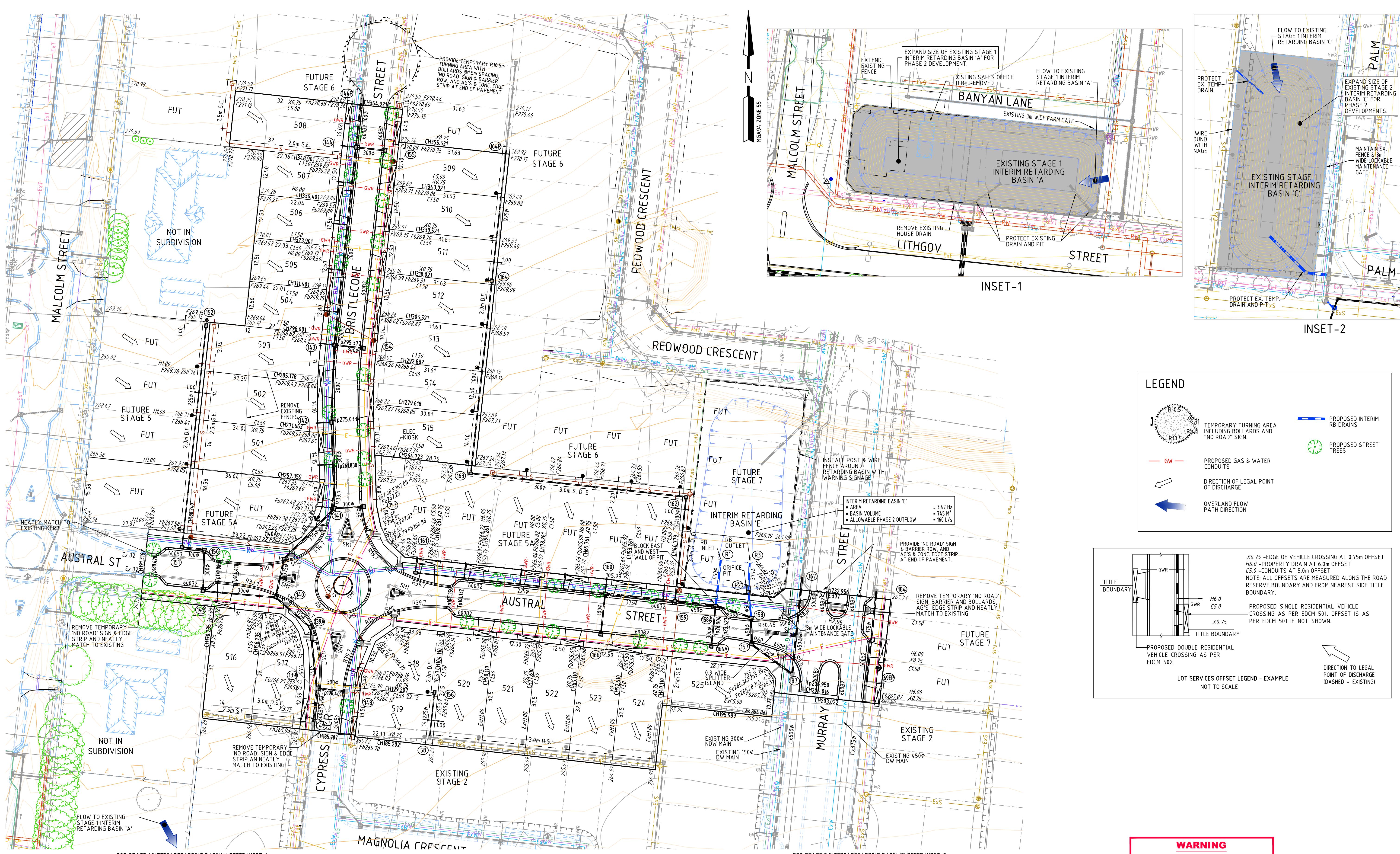
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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
GENERAL NOTES, LOCALITY PLAN
AND DETAILS

DRAWING No.	5R1	VERSION	A
REFERENCE	23017E/5		
SHEET	1 OF 17		



LEGEND

- TEMPORARY TURNING AREA INCLUDING BOLLARDS AND "NO ROAD" SIGN
- PROPOSED INTERIM RB DRAINS
- PROPOSED STREET TREES
- PROPOSED GAS & WATER CONDUITS
- DIRECTION OF LEGAL POINT OF DISCHARGE
- OVERLAND FLOW PATH DIRECTION

LOT SERVICES OFFSET LEGEND - EXAMPLE NOT TO SCALE

- X0.75 - EDGE OF VEHICLE CROSSING AT 0.75m OFFSET
- H6.0 - PROPERTY DRAIN AT 6.0m OFFSET
- C5.0 - CONDUITS AT 5.0m OFFSET
- NOTE: ALL OFFSETS ARE MEASURED ALONG THE ROAD RESERVE BOUNDARY AND FROM NEAREST SIDE TITLE BOUNDARY.
- PROPOSED SINGLE RESIDENTIAL VEHICLE CROSSING AS PER EDMC 501. OFFSET IS AS PER EDMC 501 IF NOT SHOWN.
- PROPOSED DOUBLE RESIDENTIAL VEHICLE CROSSING AS PER EDMC 502
- DIRECTION TO LEGAL POINT OF DISCHARGE (DASHED - EXISTING)

DETAIL PLAN

Scale 1:500 @ A1

PROPOSED TREES
TREES LOCATION SHOWN IS INDICATIVE ONLY.
LANDSCAPE PLANS TO PROVIDE STREETSCAPE WITH STREET TREES.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site prior to commencing works. No guarantee is given that all existing services are shown.

PRELIMINARY PLAN ONLY
NOT APPROVED FOR CONSTRUCTION

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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

LEGEND

	DRAIN, PROPERTY INLET & PIT		RECYCLED WATER
	EX HOUSE DRAIN & PIT		ELECTRICAL U.G. SERVICES
	SEWER AND MAINTENANCE HOLE		ELECTRICAL U.G. SERVICES
	EX SEWER AND MAINTENANCE HOLE		ELECTRICAL SERVICE & PIT
	WATER MAIN		EX ELECTRICAL ASSETS
	EX WATER MAIN, VALVE & HYDRANT		EX ELECTRICAL OVERHEADS
	GAS MAIN		GAS & WATER CONDUITS
	EX GAS MAIN, VALVE		EX FENCE
	GAS MAINS SERVICES & PITS		EX WALL OR BUILDING
	EX COMMS SERVICES & PITS		

	FINISHED SURFACE AFTER CUTTING OR FILLING		STREET SIGN
	TOP OF PROPOSED BATTER		DRAINAGE PIT No. TBM
	PROPOSED PAVEMENT OR FOOTPATH SURFACE		
	EXISTING OR PROPOSED INVERT LEVEL OF PIPE OR OPEN DRAIN		
	TANGENT POINT		
	CHAINAGE		
	PSM		

DRAWN BY	MELWAY	H.MARES	DESIGNED BY	J.SIGBALAVU
DATUM	AHD	CHECKED BY		
		AUTHORISED BY		

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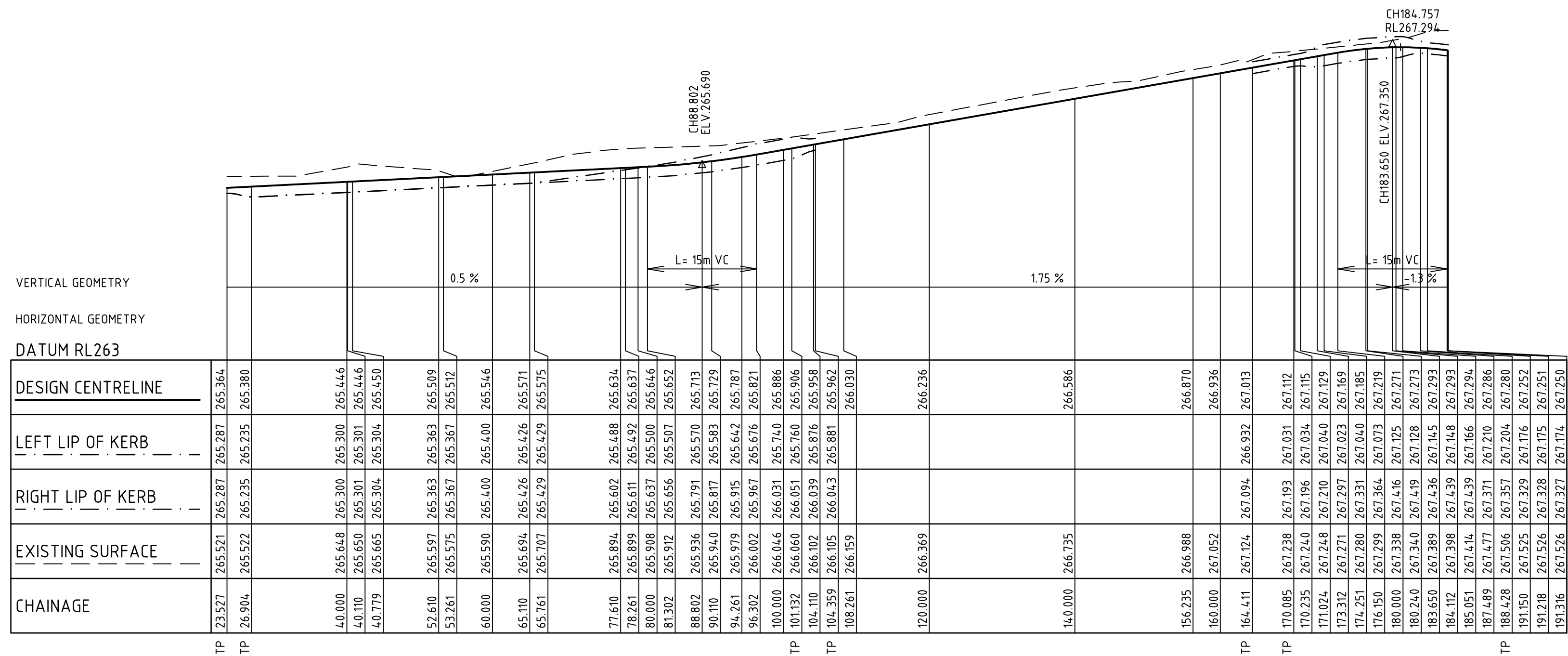
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p 031 8660 3000

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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5

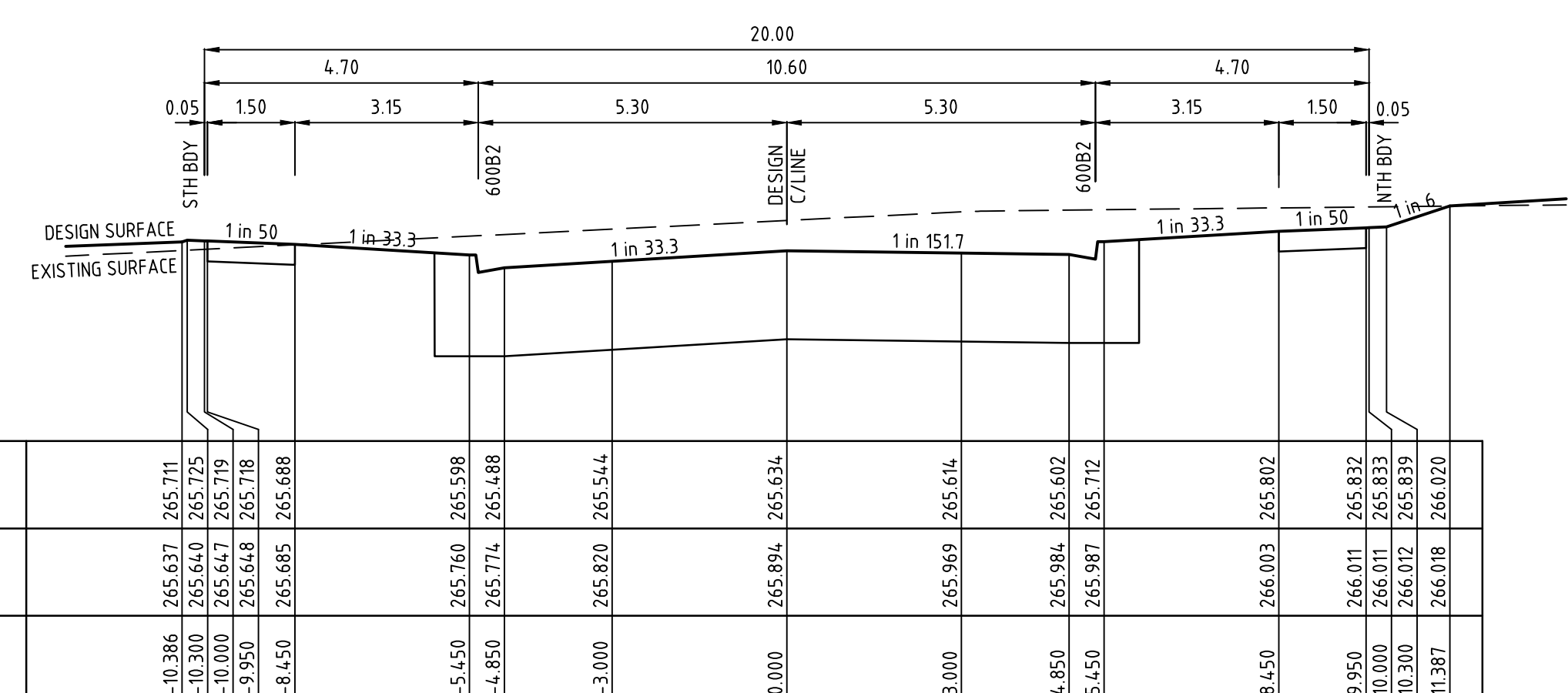
DETAIL PLAN

DRAWING No.	5R2	VERSION	A
REFERENCE	23017E/5		
SHEET	2	OF	17



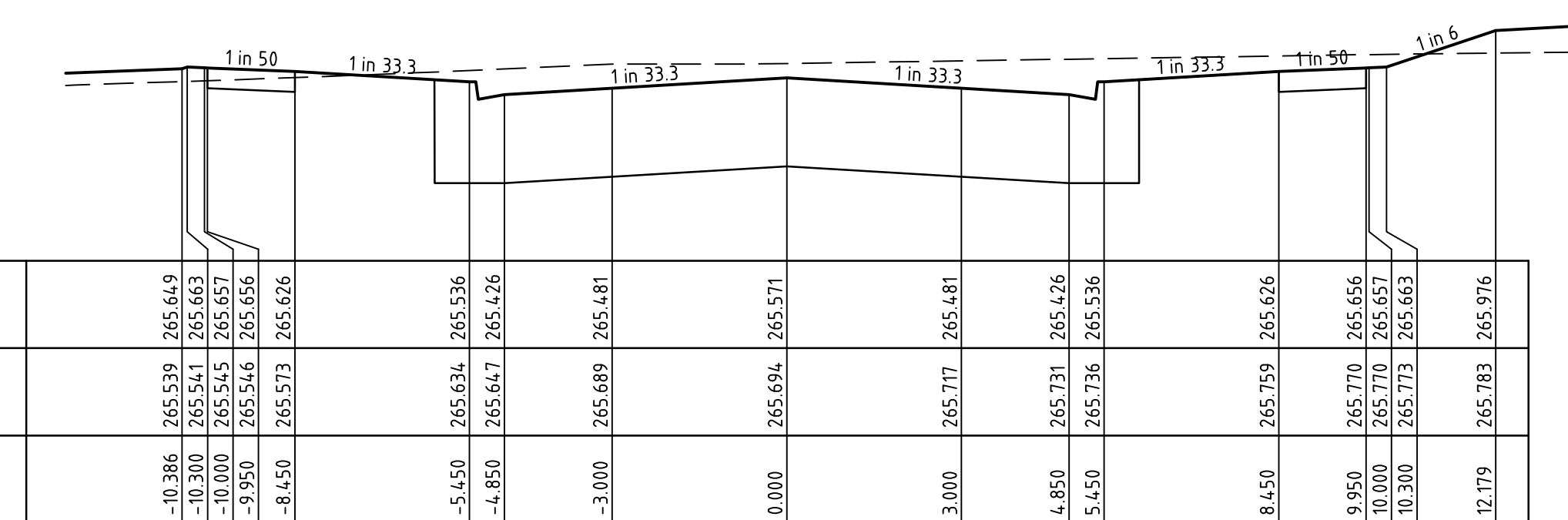
AUSTRAL STREET LONGITUDINAL SECTION

VERTICAL GEOMETRY	
HORIZONTAL GEOMETRY	
DATUM RL263	
DESIGN CENTRELINE	23.527 265.521 265.287 265.364 26.904 265.522 265.235 265.380 40.000 265.648 265.300 265.446 40.110 265.650 265.301 265.446 40.779 265.665 265.304 265.450 52.610 265.597 265.363 265.509 52.261 265.575 265.387 265.512 60.000 265.590 265.400 265.546 65.110 265.694 265.426 265.571 65.761 265.707 265.429 265.575 77.610 265.894 265.602 265.688 265.634 78.261 265.889 265.611 265.692 265.637 80.000 265.908 265.637 265.500 265.646 81.302 265.912 265.656 265.507 265.652 88.802 265.936 265.791 265.570 265.713 90.110 265.940 265.817 265.583 265.729 94.261 265.979 265.915 265.642 265.787 96.302 266.002 265.967 265.676 265.821 100.000 266.046 266.031 265.740 265.886 104.110 266.102 266.039 265.876 265.958 104.259 266.105 266.043 265.881 265.962 108.261 266.159 266.030 266.030 120.000 266.236 266.236 140.000 266.735 266.586 156.235 266.988 266.870 160.000 267.052 266.936 164.411 267.124 267.094 266.932 267.013 170.085 267.238 267.193 267.031 267.112 170.235 267.240 267.196 267.034 267.115 171.024 267.248 267.200 267.040 267.123 173.372 267.271 267.297 267.023 267.189 174.251 267.280 267.331 267.040 267.185 176.150 267.299 267.364 267.073 267.219 180.000 267.340 267.419 267.128 267.271 183.650 267.389 267.436 267.145 267.293 184.112 267.398 267.439 267.148 267.293 185.051 267.414 267.439 267.166 267.294 187.488 267.477 267.311 267.210 267.286 188.428 267.506 267.357 267.204 267.280 191.150 267.525 267.329 267.176 267.252 191.218 267.526 267.328 267.175 267.251 191.316 267.526 267.327 267.174 267.250
LEFT LIP OF KERB	
RIGHT LIP OF KERB	
EXISTING SURFACE	
CHAINAGE	



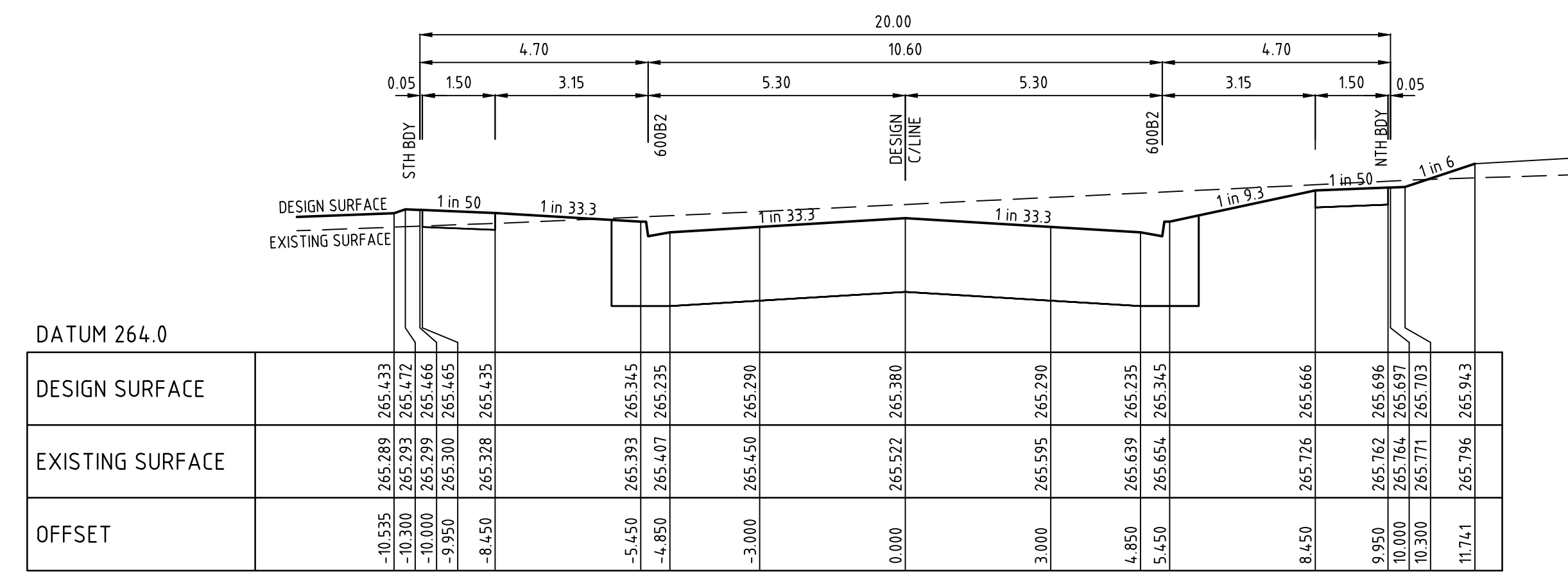
DATUM 264.0	
DESIGN SURFACE	-10.386 265.637 265.711 -10.300 265.640 265.725 -10.000 265.647 265.719 -9.950 265.648 265.718 -8.450 265.685 265.688 -5.450 265.760 265.598 -4.850 265.774 265.488 -3.000 265.820 265.544 0.000 265.894 265.634 3.000 265.969 265.614 4.850 265.984 265.602 5.450 265.987 265.712 8.450 266.003 265.802 9.950 266.011 265.832 10.000 266.011 265.833 10.300 266.012 265.839 11.387 266.018 266.020
EXISTING SURFACE	
OFFSET	

CH 77.610



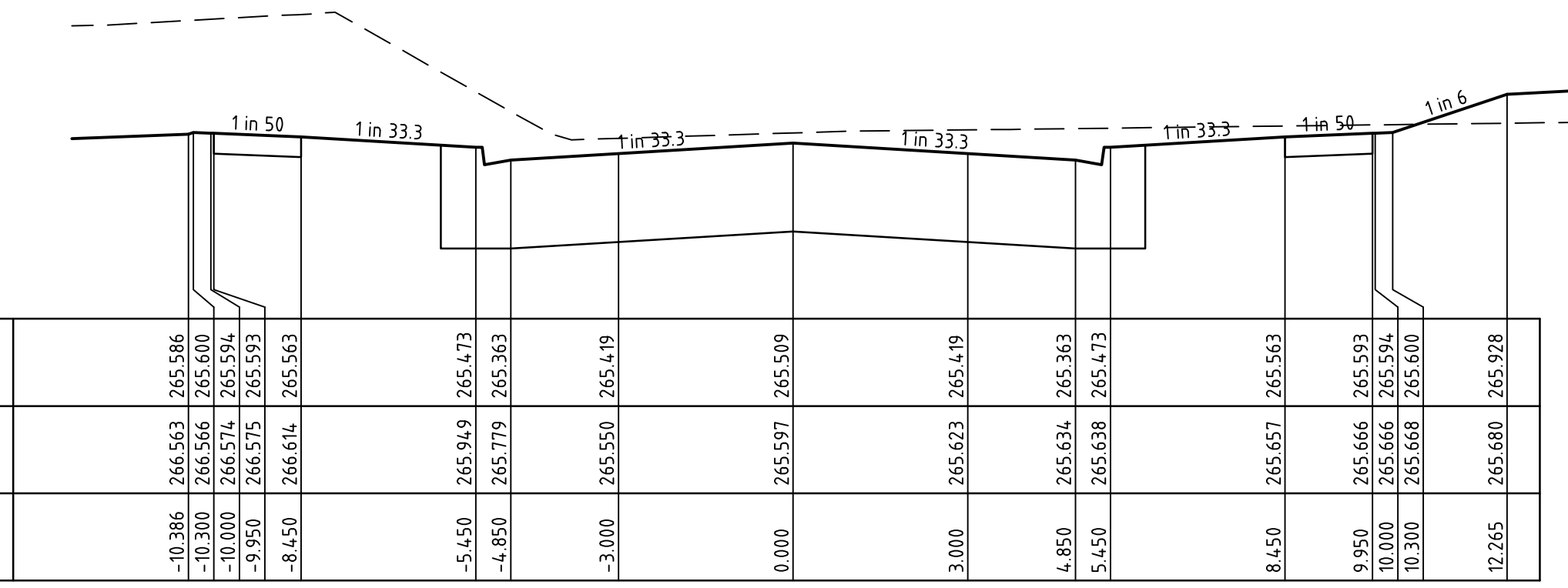
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DESIGN SURFACE	-10.386 265.539 265.649 -10.300 265.541 265.663 -10.000 265.547 265.657 -9.950 265.546 265.656 -8.450 265.573 265.626 -5.450 265.634 265.536 -4.850 265.647 265.426 -3.000 265.689 265.481 0.000 265.694 265.571 3.000 265.717 265.481 4.850 265.710 265.426 5.450 265.736 265.536 8.450 265.759 265.526 9.950 265.770 265.656 10.000 265.770 265.657 10.300 265.773 265.663 12.179 265.783 265.976
EXISTING SURFACE	
OFFSET	

CH 65.110



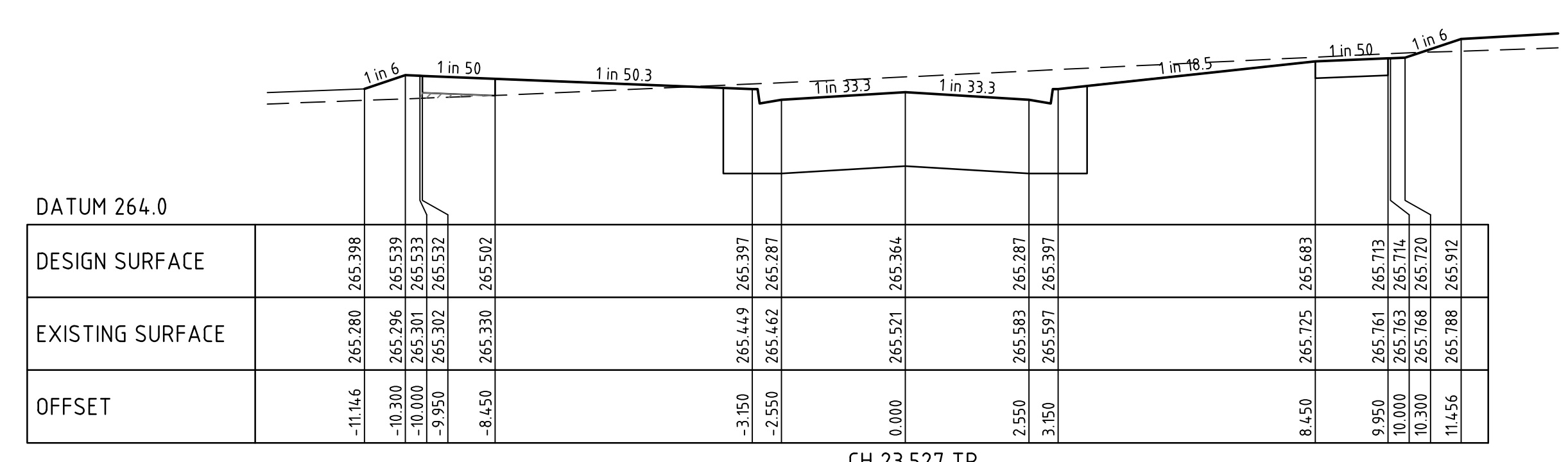
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EXISTING SURFACE	
OFFSET	

CH 26.904 TP



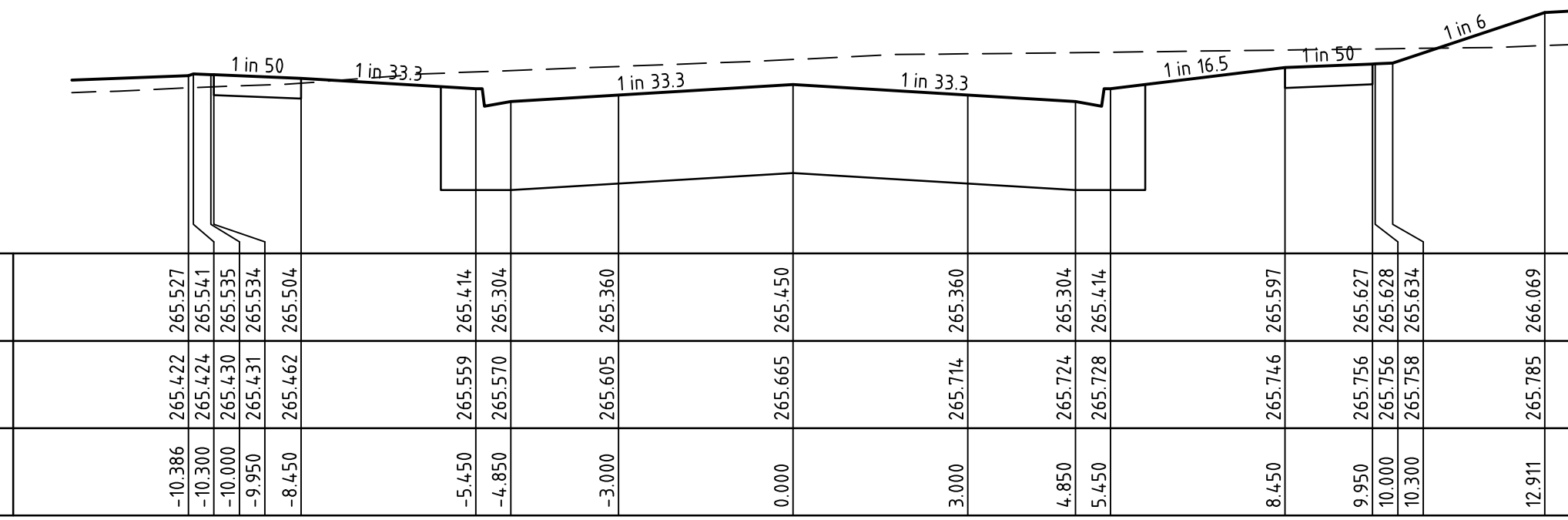
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EXISTING SURFACE	
OFFSET	

CH 52.610



DATUM 264.0	
DESIGN SURFACE	-11.146 265.280 265.398 -10.300 265.296 265.539 -10.000 265.301 265.533 -9.950 265.302 265.532 -8.450 265.330 265.502 -3.150 265.449 265.397 -2.550 265.462 265.287 0.000 265.521 265.364 2.550 265.583 265.287 3.150 265.597 265.397 8.450 265.725 265.683 9.950 265.761 265.713 10.000 265.763 265.714 10.300 265.768 265.720 11.456 265.788 265.912
EXISTING SURFACE	
OFFSET	

CH 23.527 TP



DATUM 264.0	
DESIGN SURFACE	-10.386 265.422 265.927 -10.300 265.424 265.941 -10.000 265.430 265.935 -9.950 265.431 265.934 -8.450 265.462 265.904 -5.450 265.559 265.414 -4.850 265.570 265.304 -3.000 265.605 265.360 0.000 265.665 265.450 3.000 265.714 265.360 4.850 265.724 265.304 5.450 265.728 265.414 8.450 265.746 265.597 9.950 265.756 265.627 10.000 265.756 265.628 10.300 265.758 265.634 12.911 265.785 266.069
EXISTING SURFACE	
OFFSET	

CH 40.779

AUSTRAL STREET CROSS SECTIONS

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site prior to commencing works. No guarantee is given that all existing services are shown.

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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

SCALE
0 5 10 20
0 0.5 1 2 @ 1
Scale H 1:500 V 1:50 @ A1

LEGEND
[Symbol] COMPACTED TYPE A STRUCTURAL MATERIAL IN ACCORDANCE WITH COUNCIL TECHNICAL SPEC. SECT. 204, FROM BASE OF PAVEMENT TO 150mm BELOW NATURAL SURFACE, WITH SIDE SLOPES 1 in 0.5 MAX.

LONG SECTION **CROSS SECTION**

DRAWN BY	H.MARES	DESIGNED BY	J.SIGBALAVU
CHECKED BY	-	AUTHORISED BY	-
MELWAY	685 H2	DATUM	AHD

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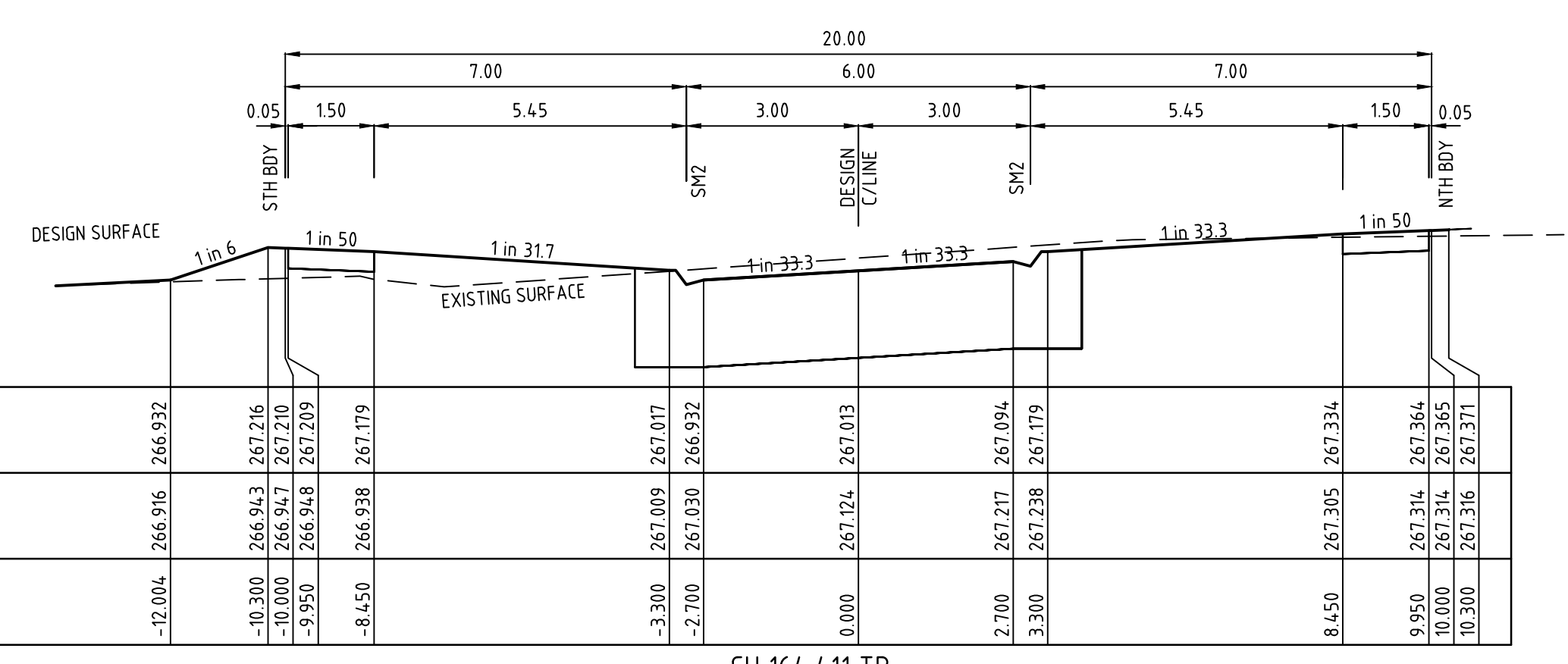
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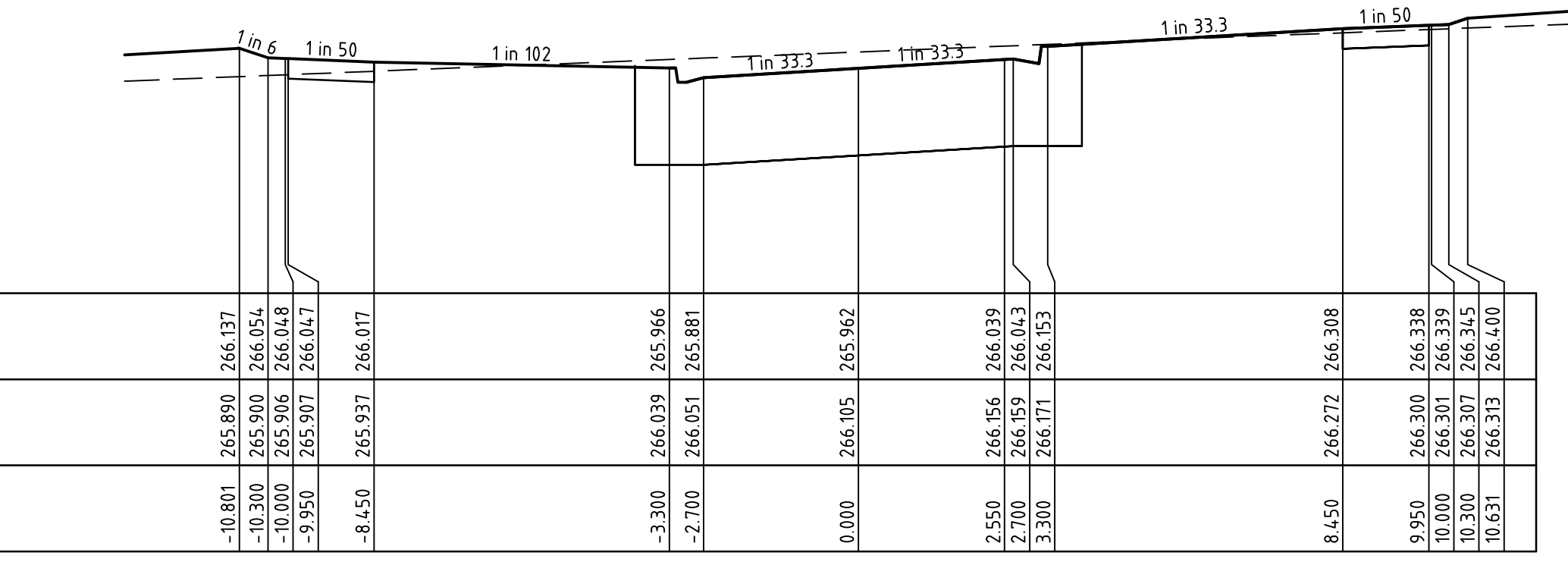
MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
LONGITUDINAL AND CROSS SECTIONS - 1
AUSTRAL STREET

DRAWING No. 5R3
VERSION A
REFERENCE 23017E/5
SHEET 3 OF 17

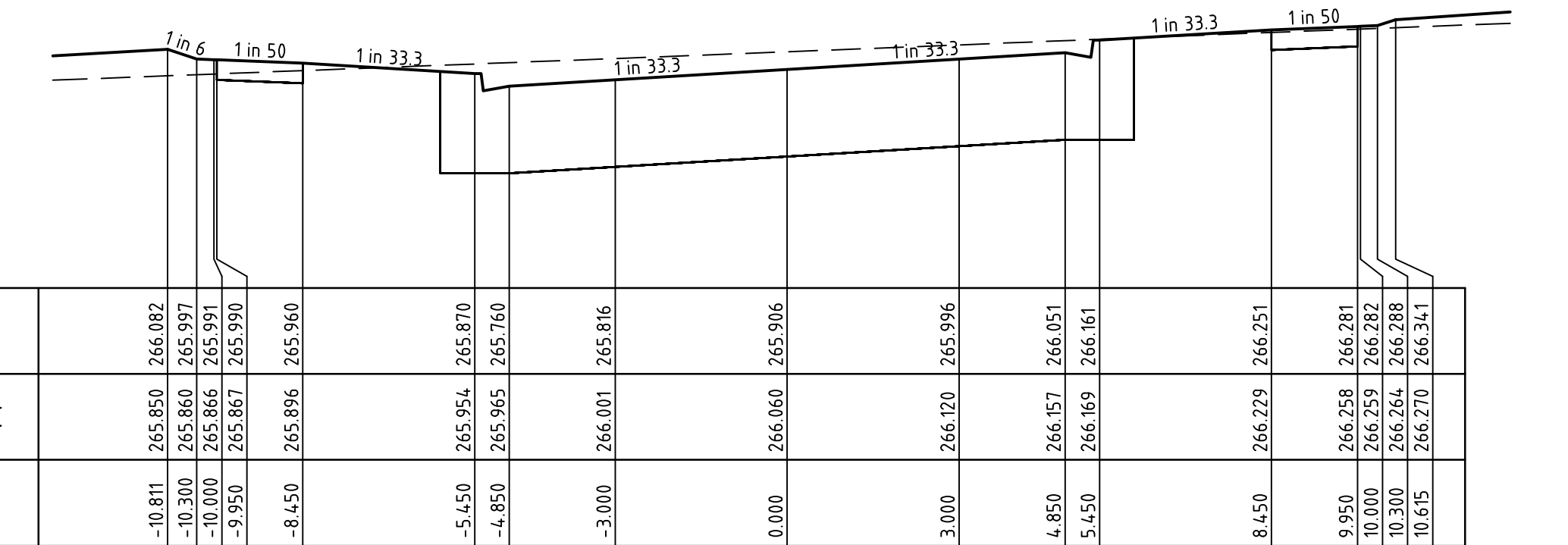
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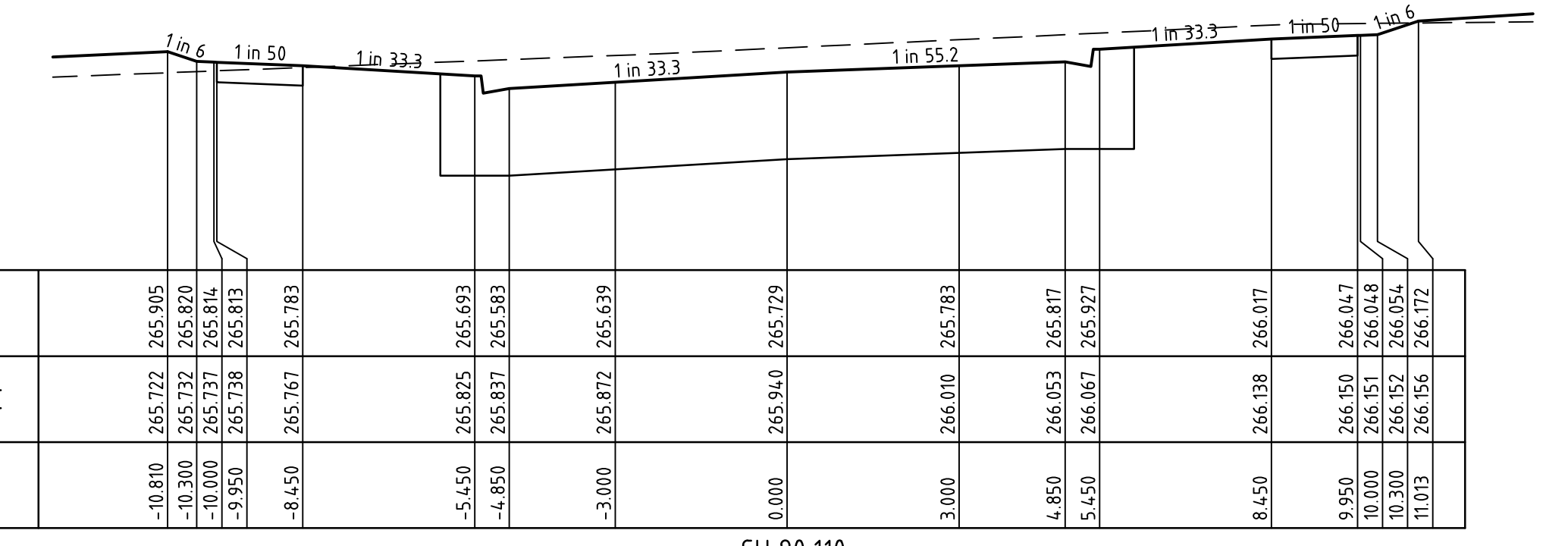
CH 164.411 TP



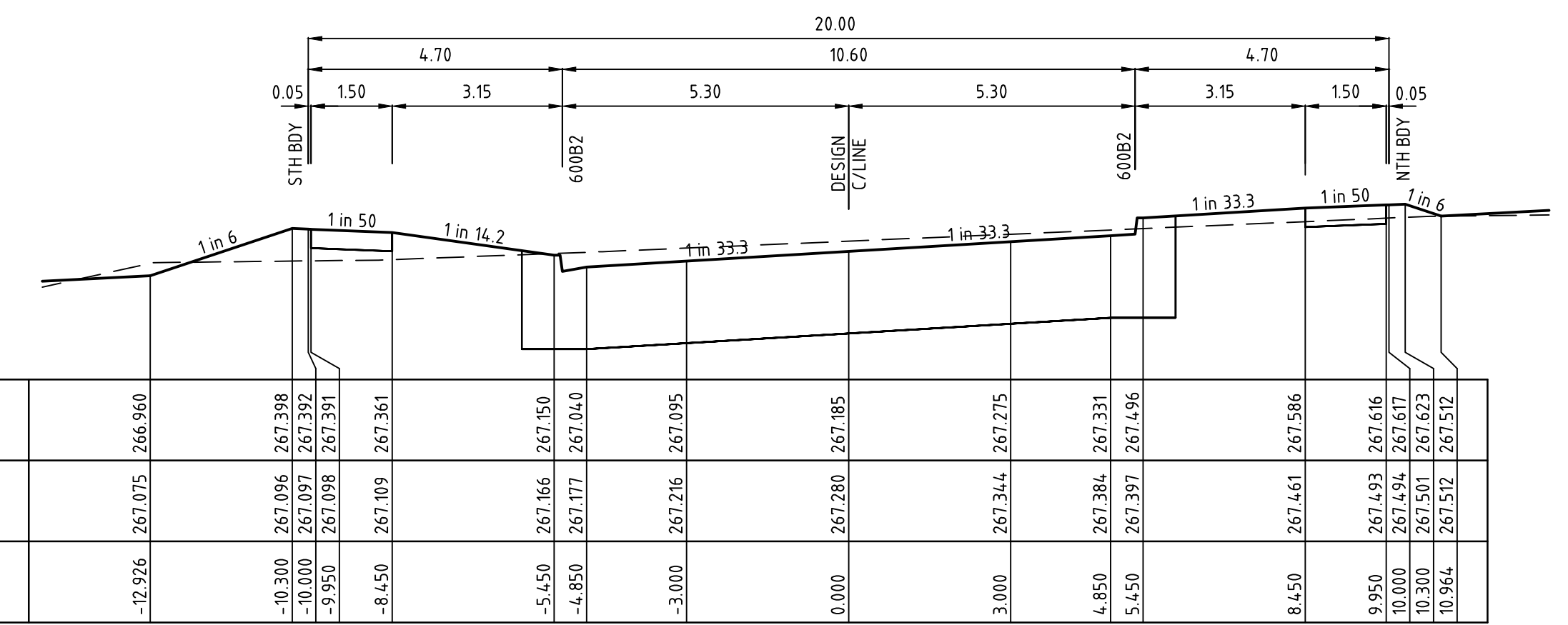
CH 104.359 TP



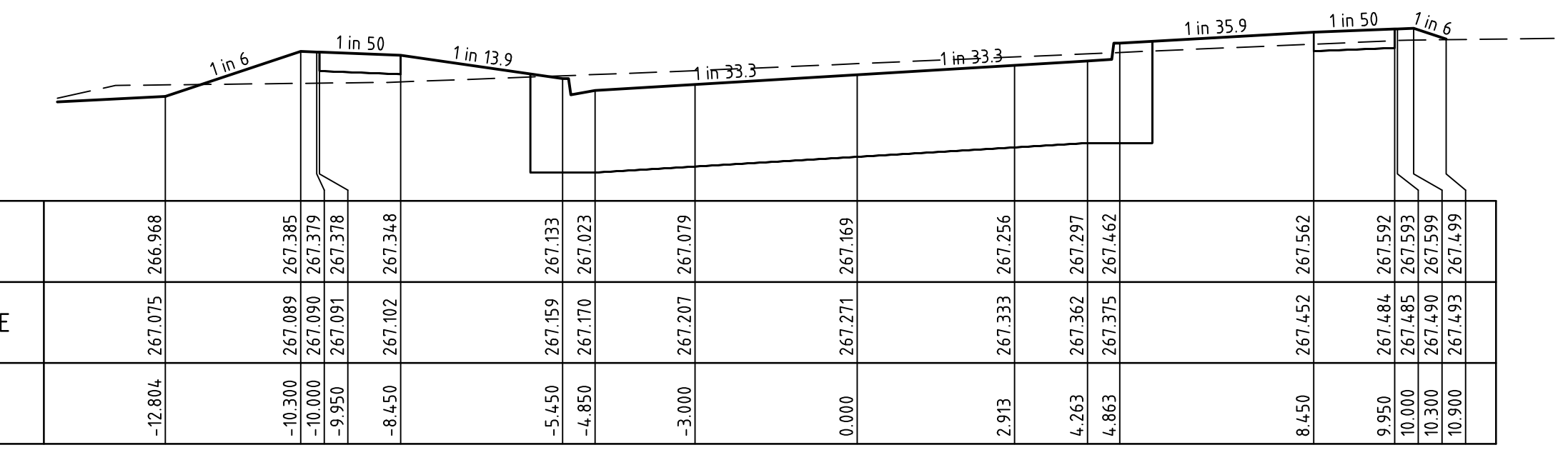
CH 101.132 TP



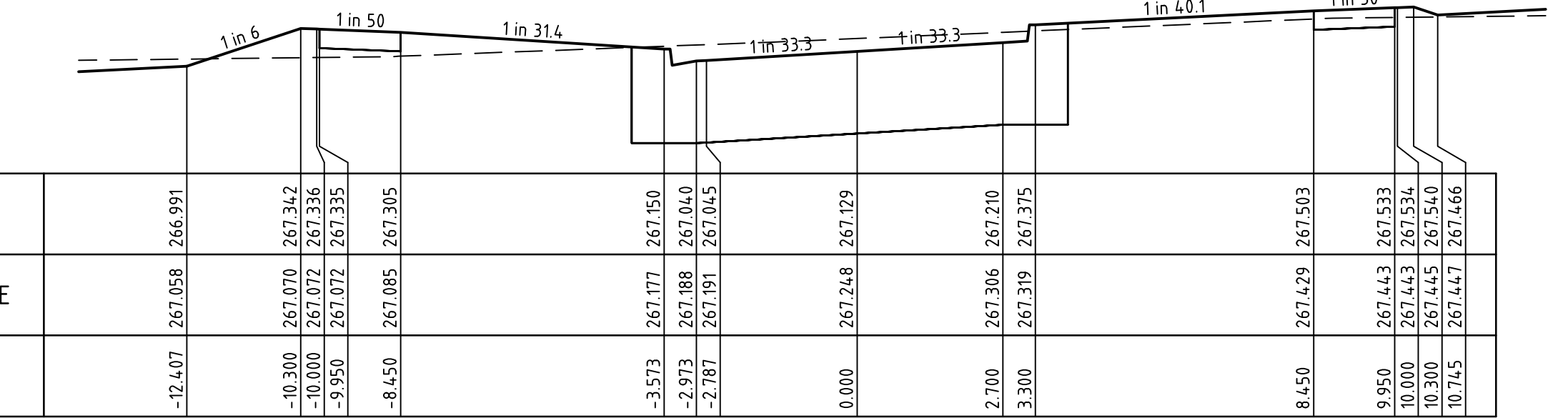
CH 90.110



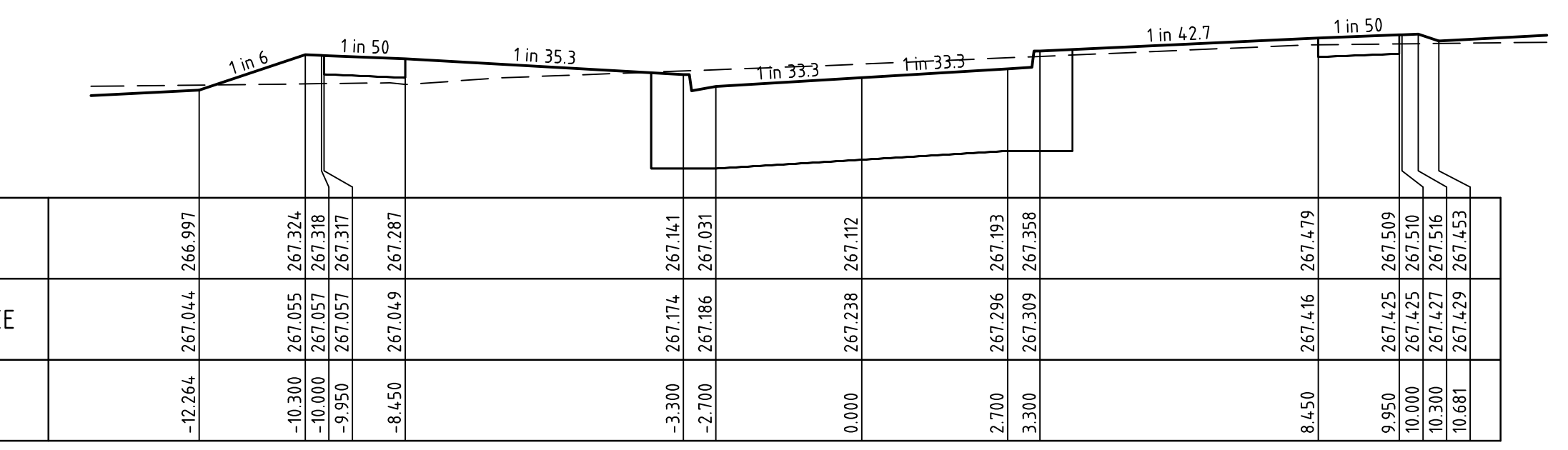
CH 174.251



CH 173.312



CH 171.024



CH 170.085 TP

AUSTRAL STREET CROSS SECTIONS

WARNING
BEWARE OF UNDERGROUND SERVICES
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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

SCALE
0 1 2 4
0 0.5 1 2
Scale H 1:100 V 1:50 @ A1

LEGEND
[Hatched Box] COMPACTED TYPE A STRUCTURAL MATERIAL IN ACCORDANCE WITH COUNCIL TECHNICAL SPEC. SECT. 204, FROM BASE OF PAVEMENT TO 150mm BELOW NATURAL SURFACE, WITH SIDE SLOPES 1 in 0.5 MAX.

DRAWN BY	H.MARES	DESIGNED BY	J.SIGABALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

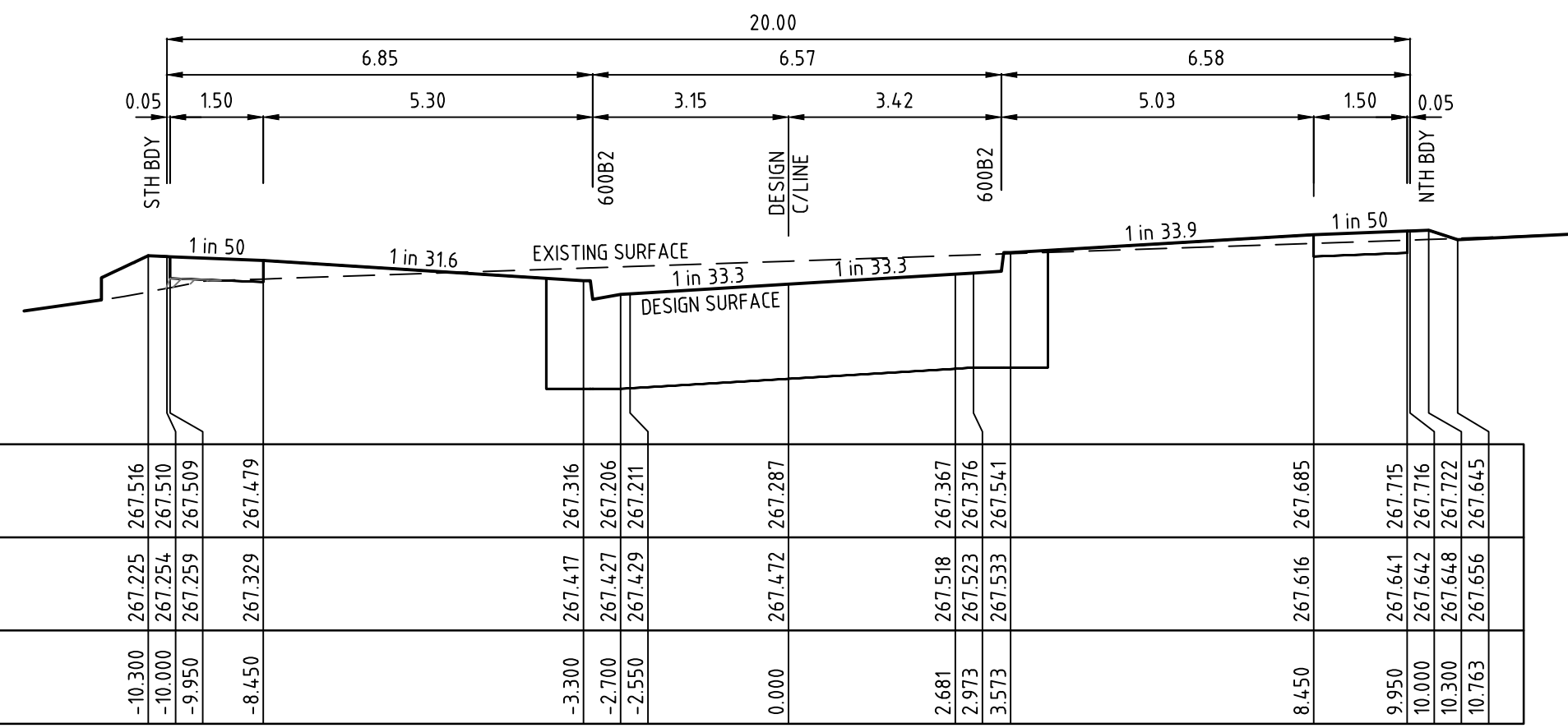
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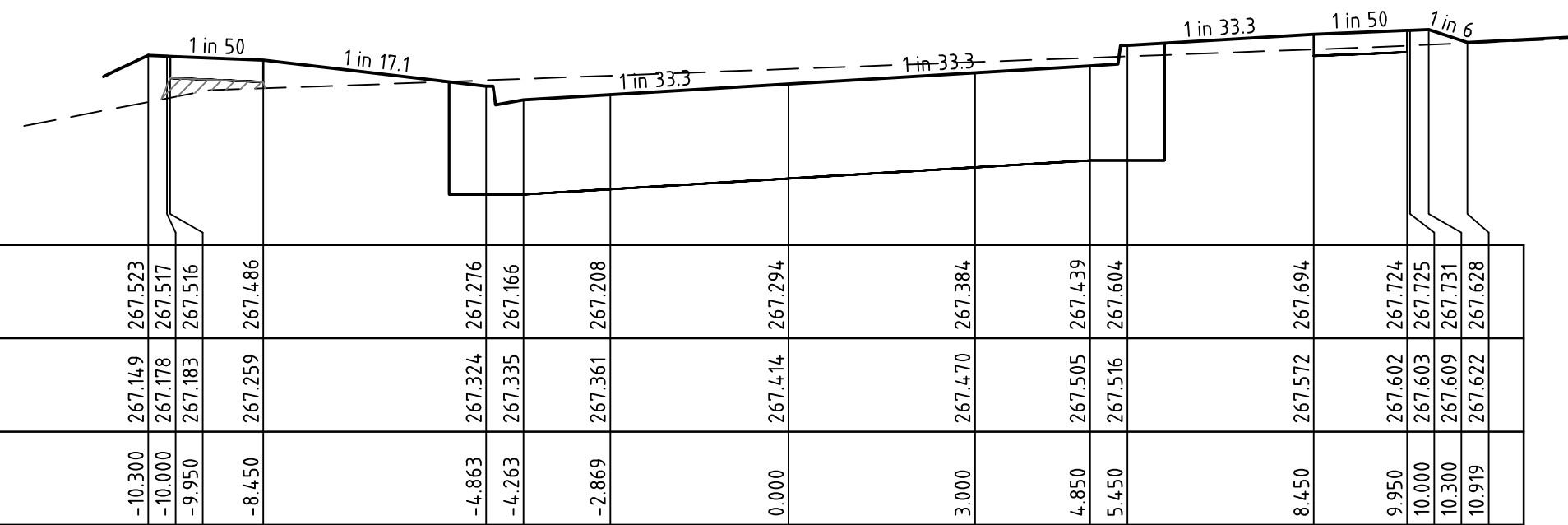
MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
CROSS SECTIONS - 2
AUSTRAL STREET

DRAWING No.	5R4	VERSION	A
REFERENCE	23017E/5		
SHEET	4 OF 17		

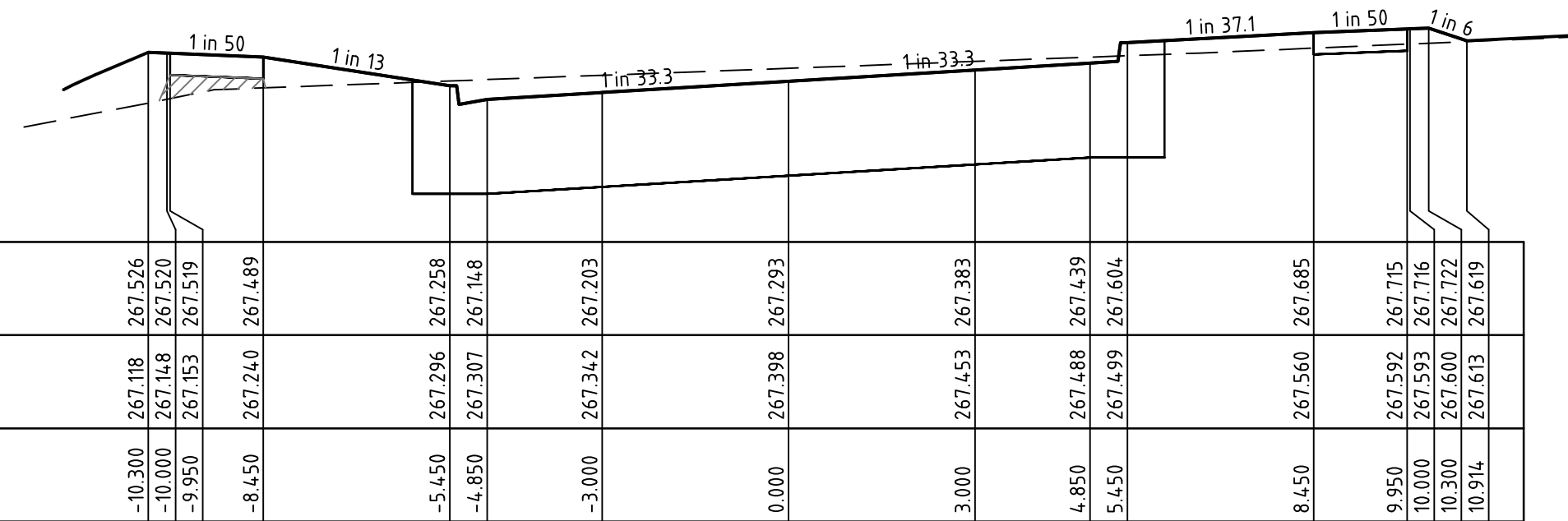
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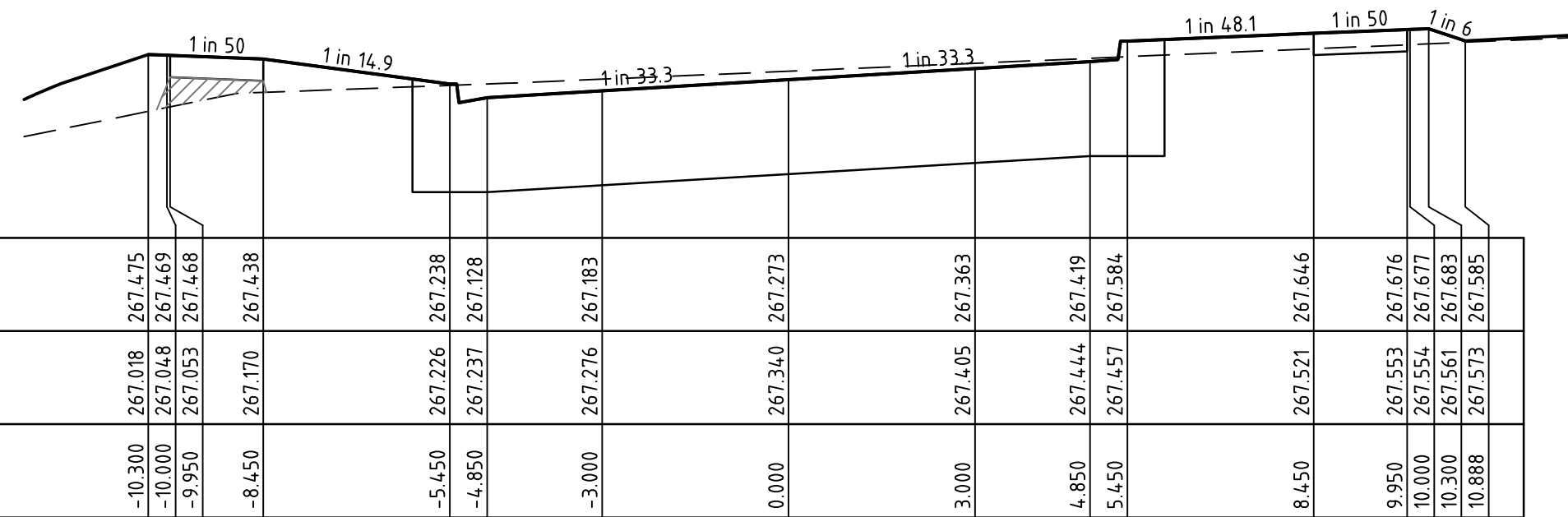
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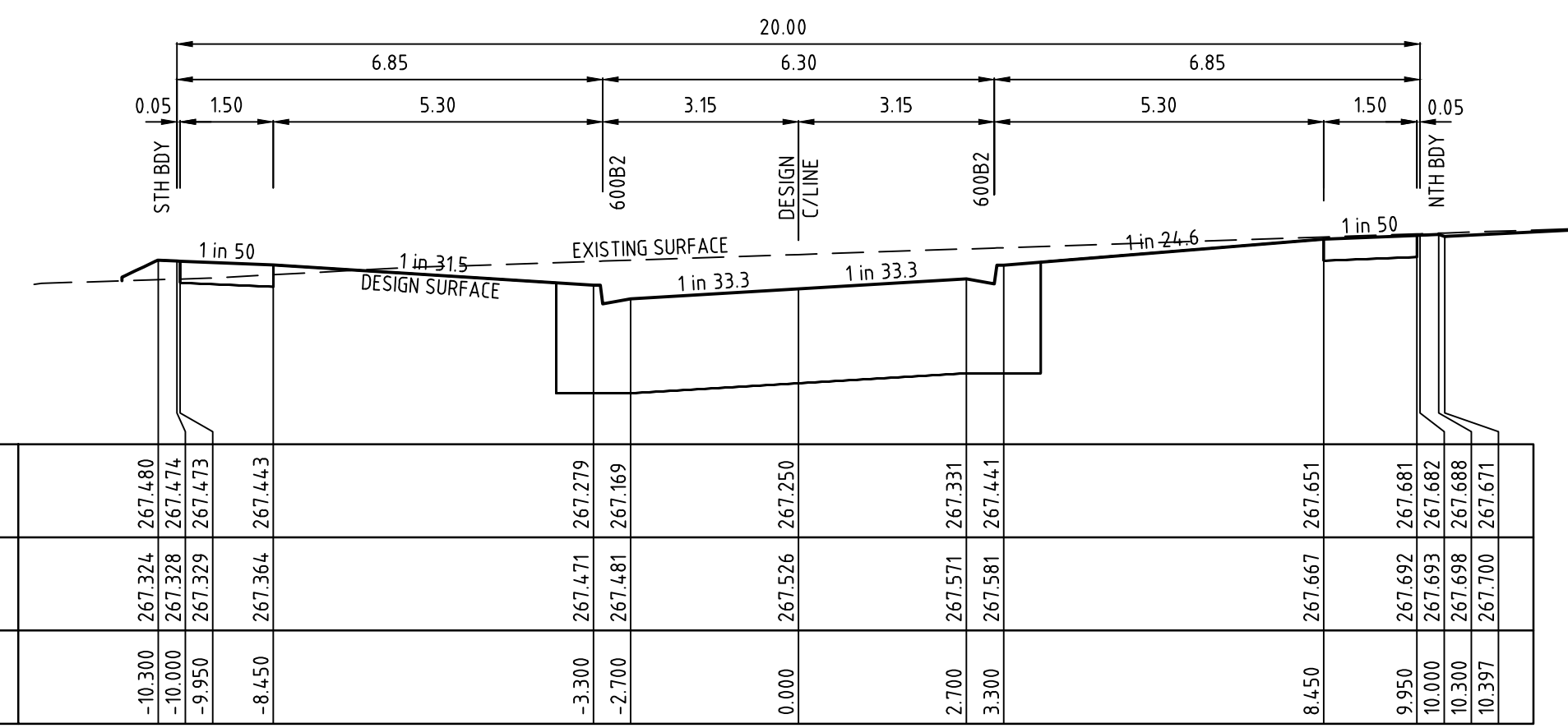
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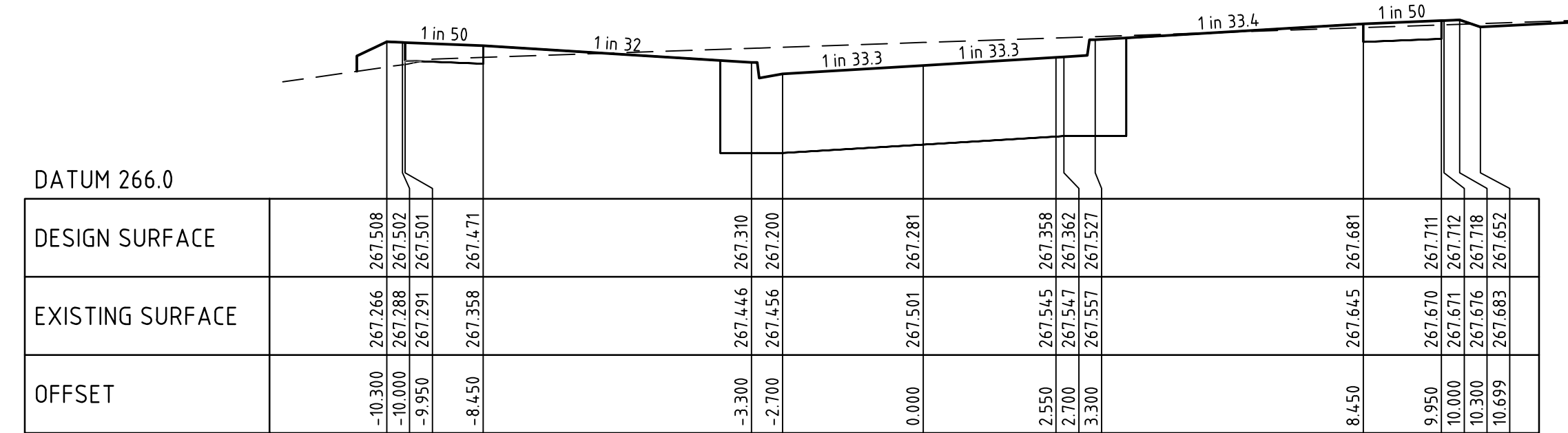
CH 184.112



CH 180.240



CH 191.316



CH 188.278 TP

AUSTRAL STREET CROSS SECTIONS

WARNING
BEWARE OF UNDERGROUND SERVICES
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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

SCALE
0 1 2 4
0 0.5 1 2
Scale H 1:100 V 1:50 @ A1

LEGEND
 COMPACTED TYPE A STRUCTURAL MATERIAL IN ACCORDANCE WITH COUNCIL TECHNICAL SPEC. SECT. 204, FROM BASE OF PAVEMENT TO 150mm BELOW NATURAL SURFACE, WITH SIDE SLOPES 1 in 0.5 MAX.

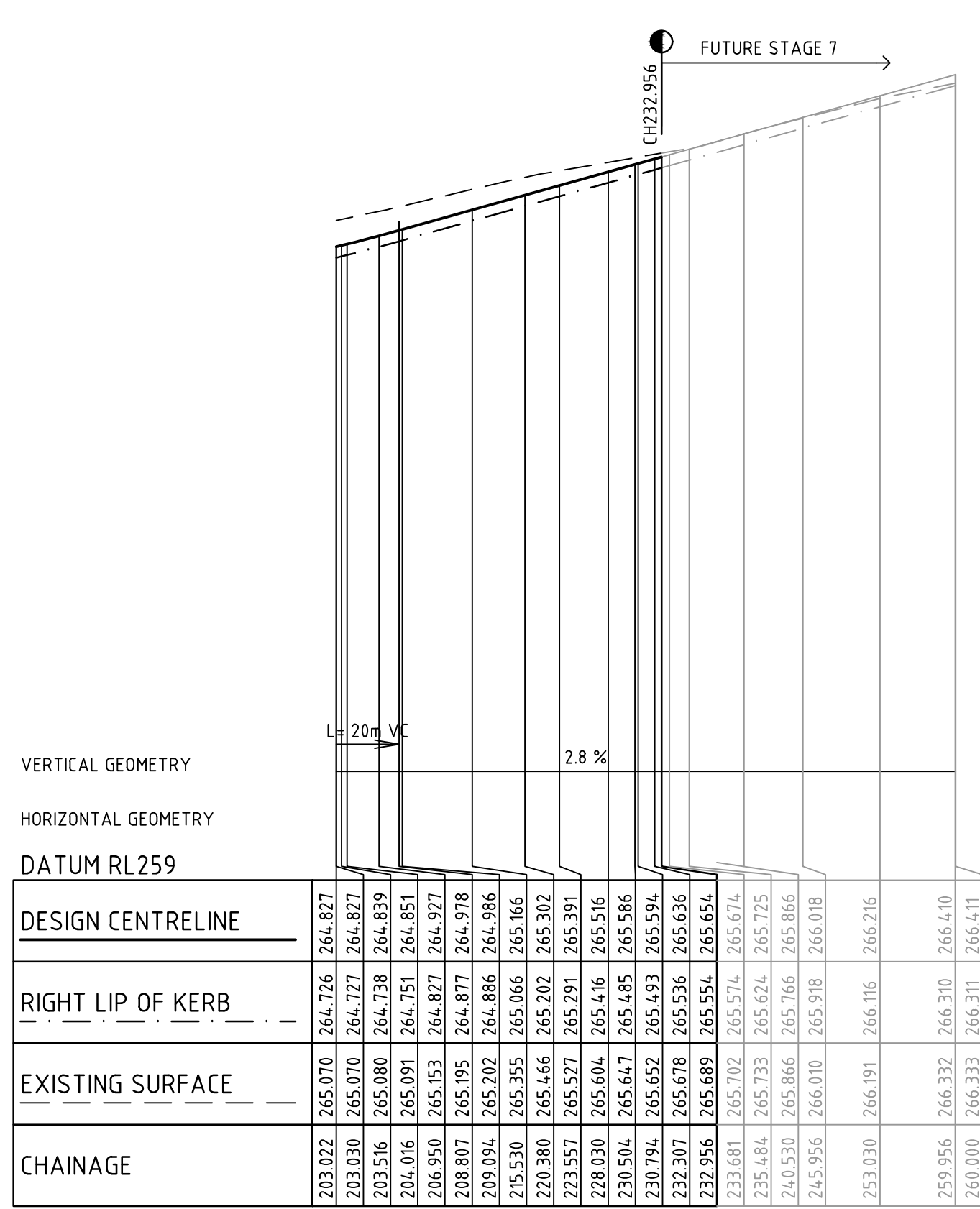
DRAWN BY	H.MARES	DESIGNED BY	J.SIGBALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

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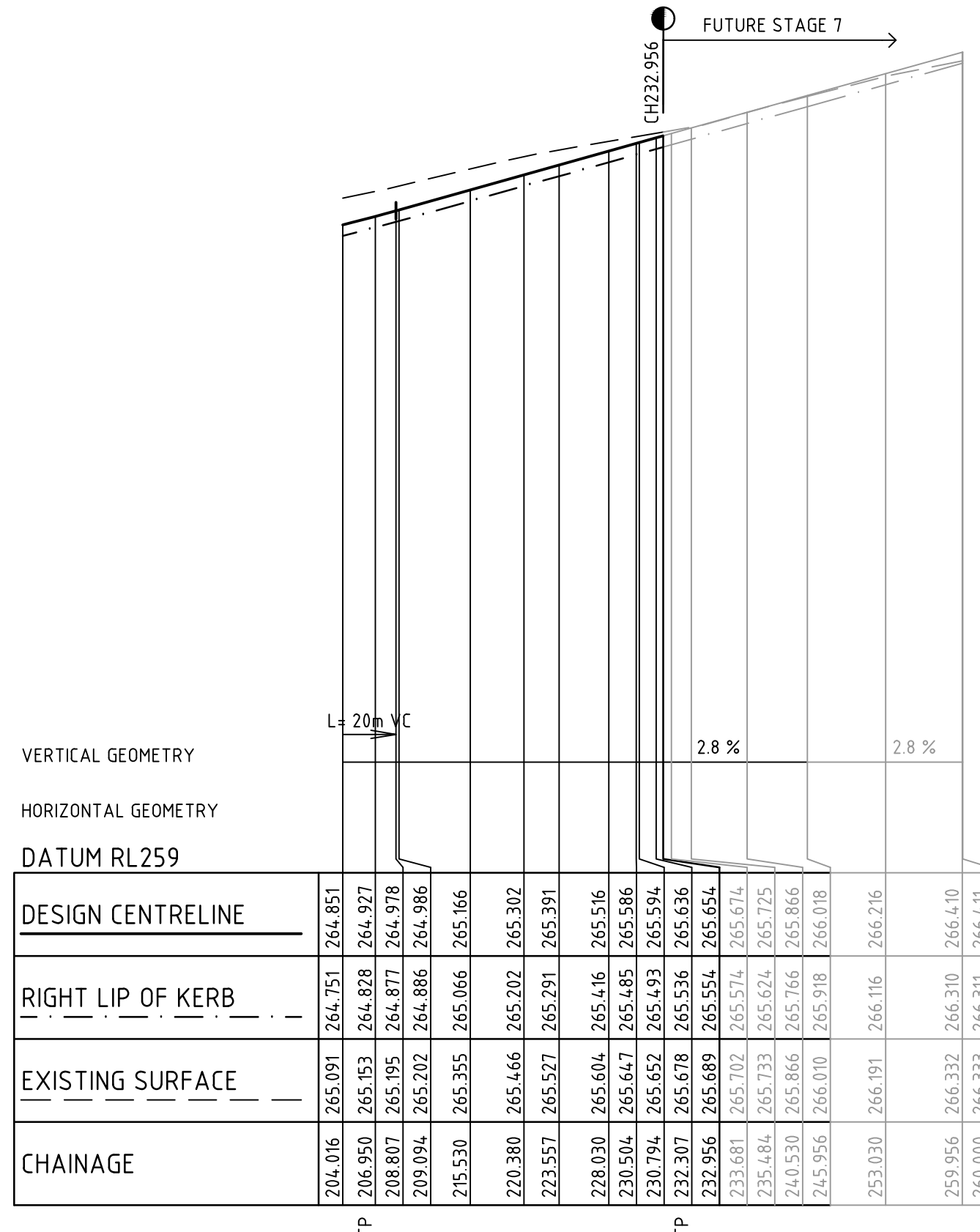
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MITCHELL SHIRE COUNCIL
 ARROWSMITH AND LITHGOW ST, BEVERIDGE
 TIMBARRA ESTATE - STAGE 5
 CROSS SECTIONS - 3
 AUSTRAL STREET

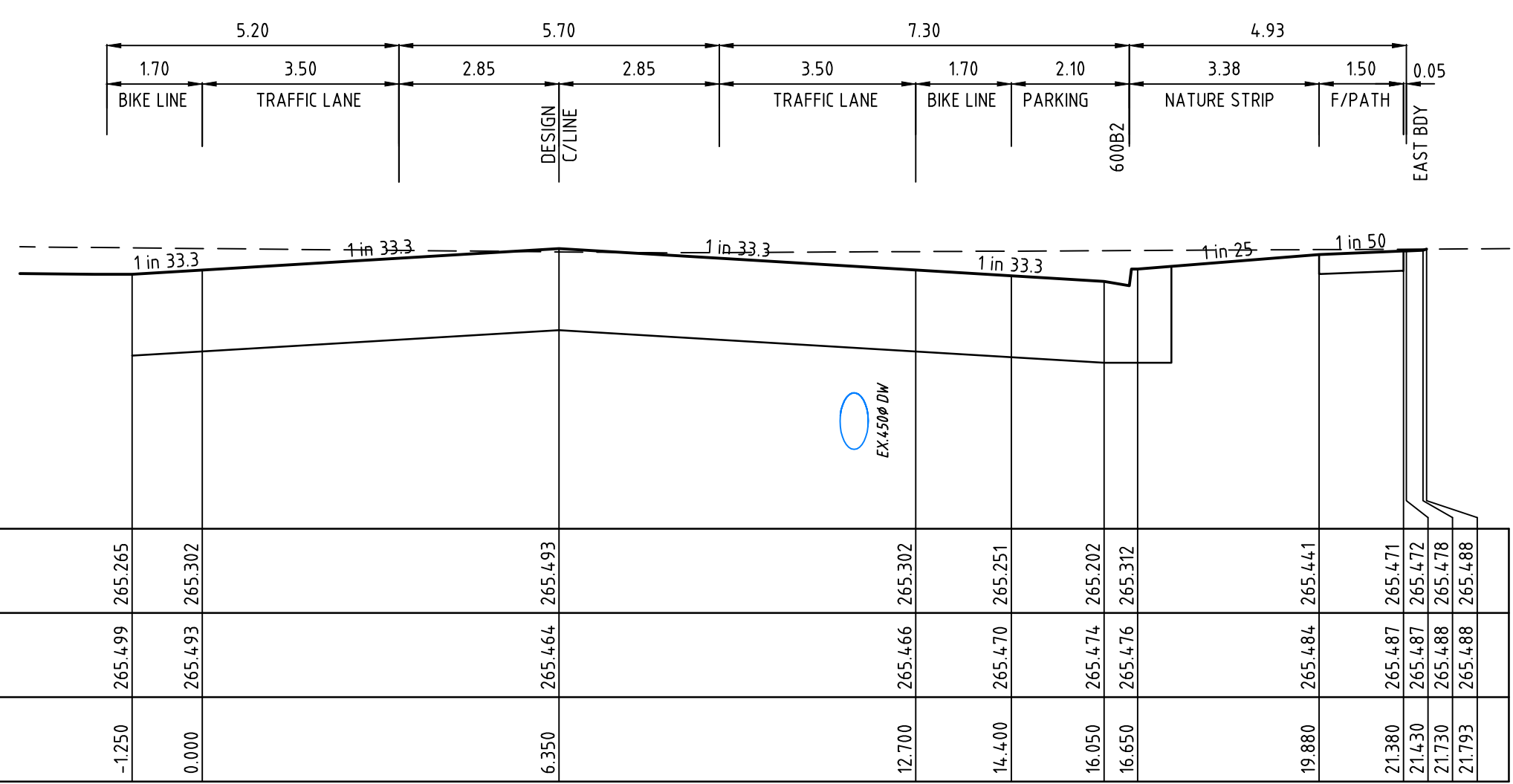
DRAWING No.	5R5	VERSION	A
REFERENCE	23017E/5		
SHEET	5 OF 17		



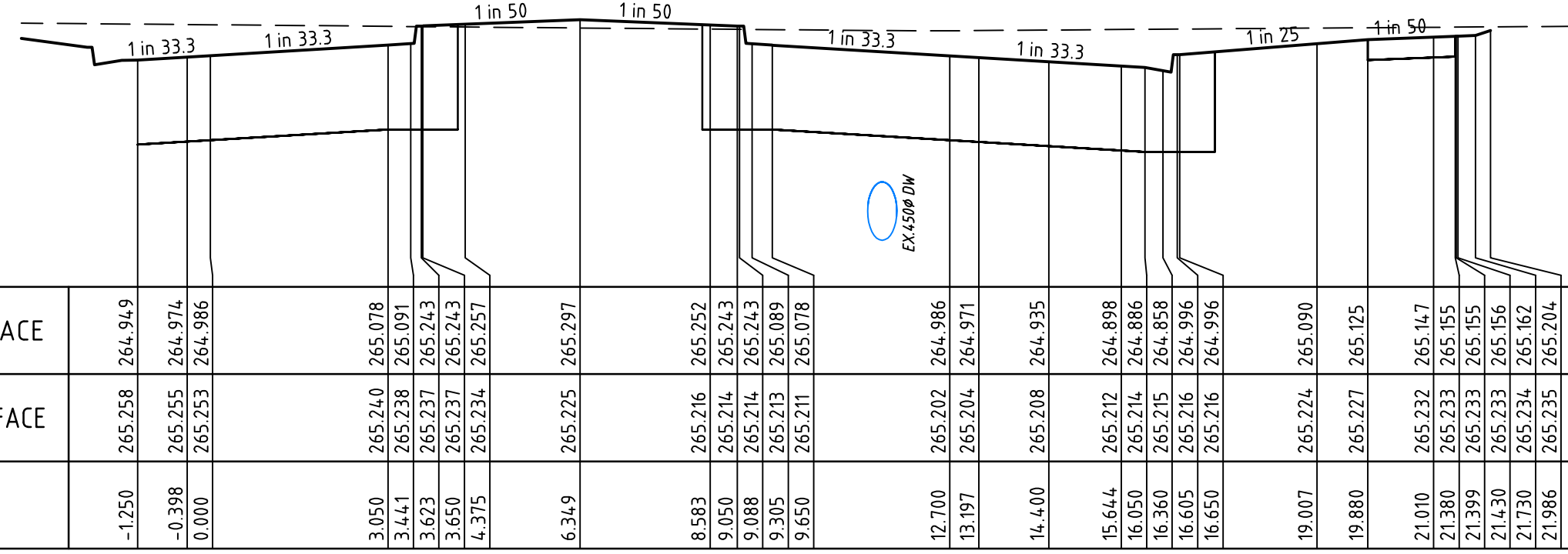
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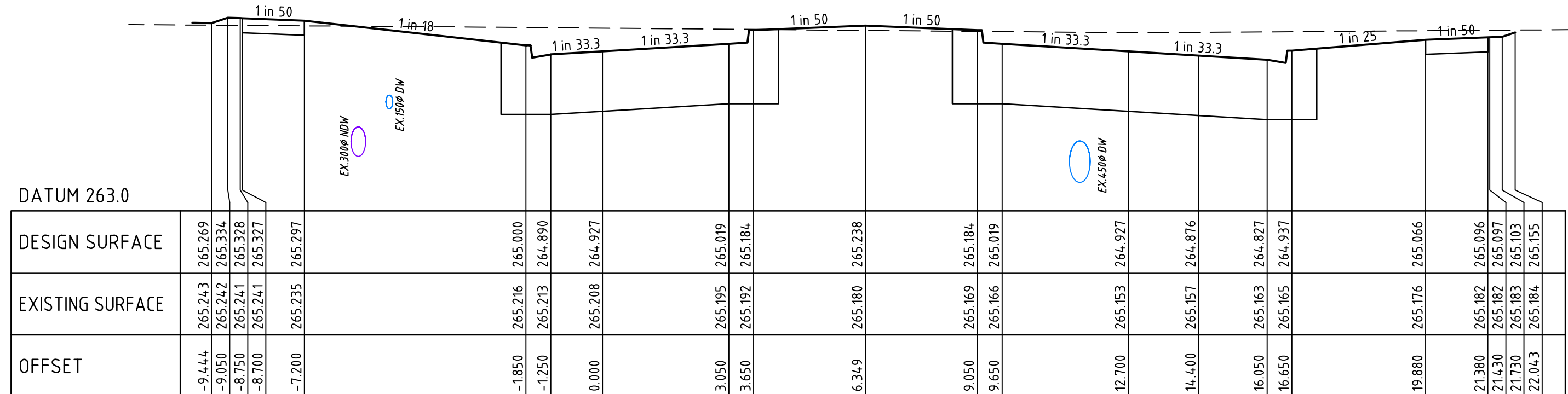
MURRAY STREET NTH BOUND LONGITUDINAL SECTION



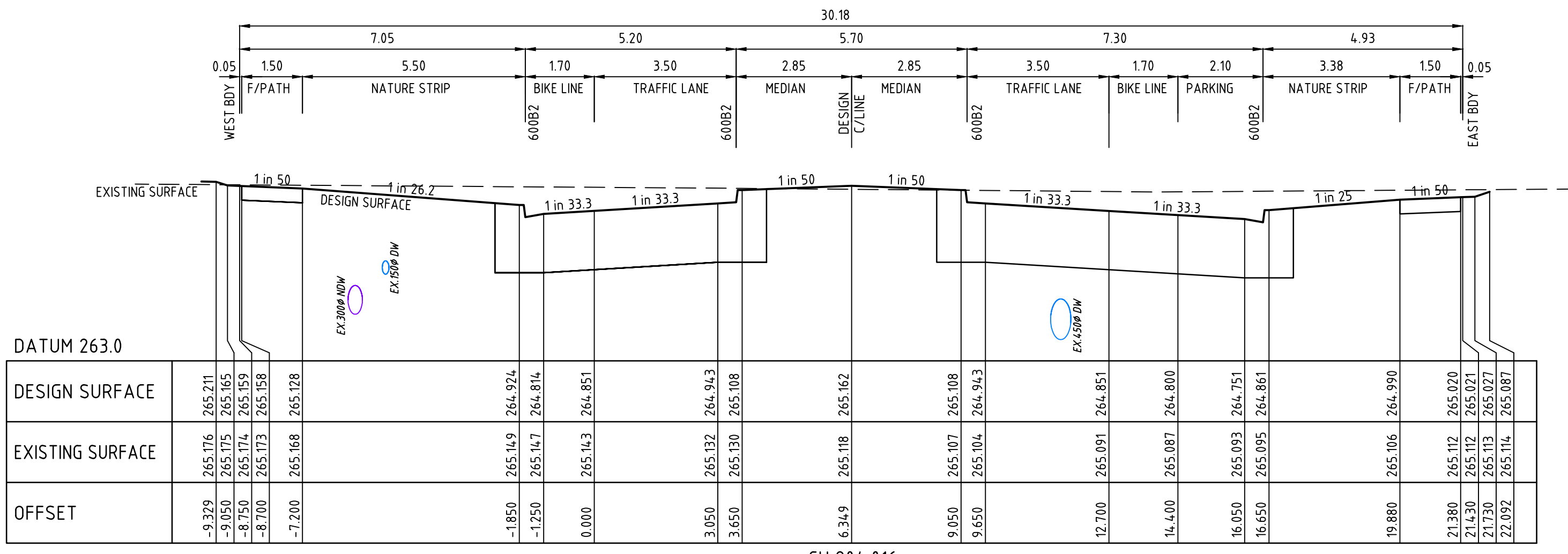
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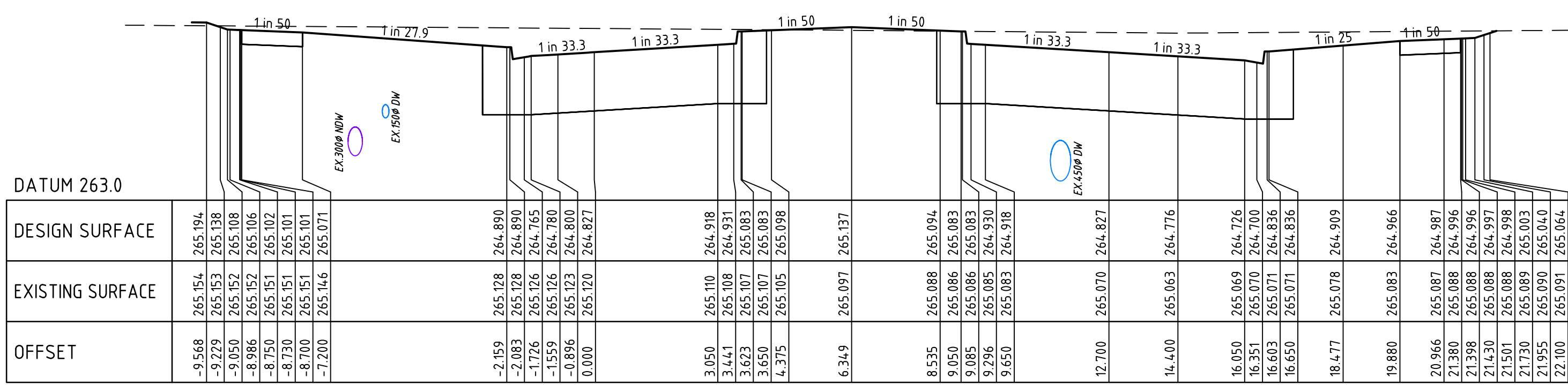
CH 209.094



CH 206.950 TP



CH 204.016



CH 203.022

MURRAY STREET CROSS SECTIONS

WARNING
BEWARE OF UNDERGROUND SERVICES
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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

SCALE

LONG SECTION: 0 5 10 20
Scale H 1:500 V 1:50 @ A1

CROSS SECTION: 0 1 2 4
Scale H 1:100 V 1:50 @ A1

LEGEND

COMPACTED TYPE A STRUCTURAL MATERIAL IN ACCORDANCE WITH COUNCIL TECHNICAL SPEC. SECT. 204, FROM BASE OF PAVEMENT TO 150mm BELOW NATURAL SURFACE, WITH SIDE SLOPES 1 in 0.5 MAX.

DRAWN BY	H.MARES	DESIGNED BY	J.SIGBALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

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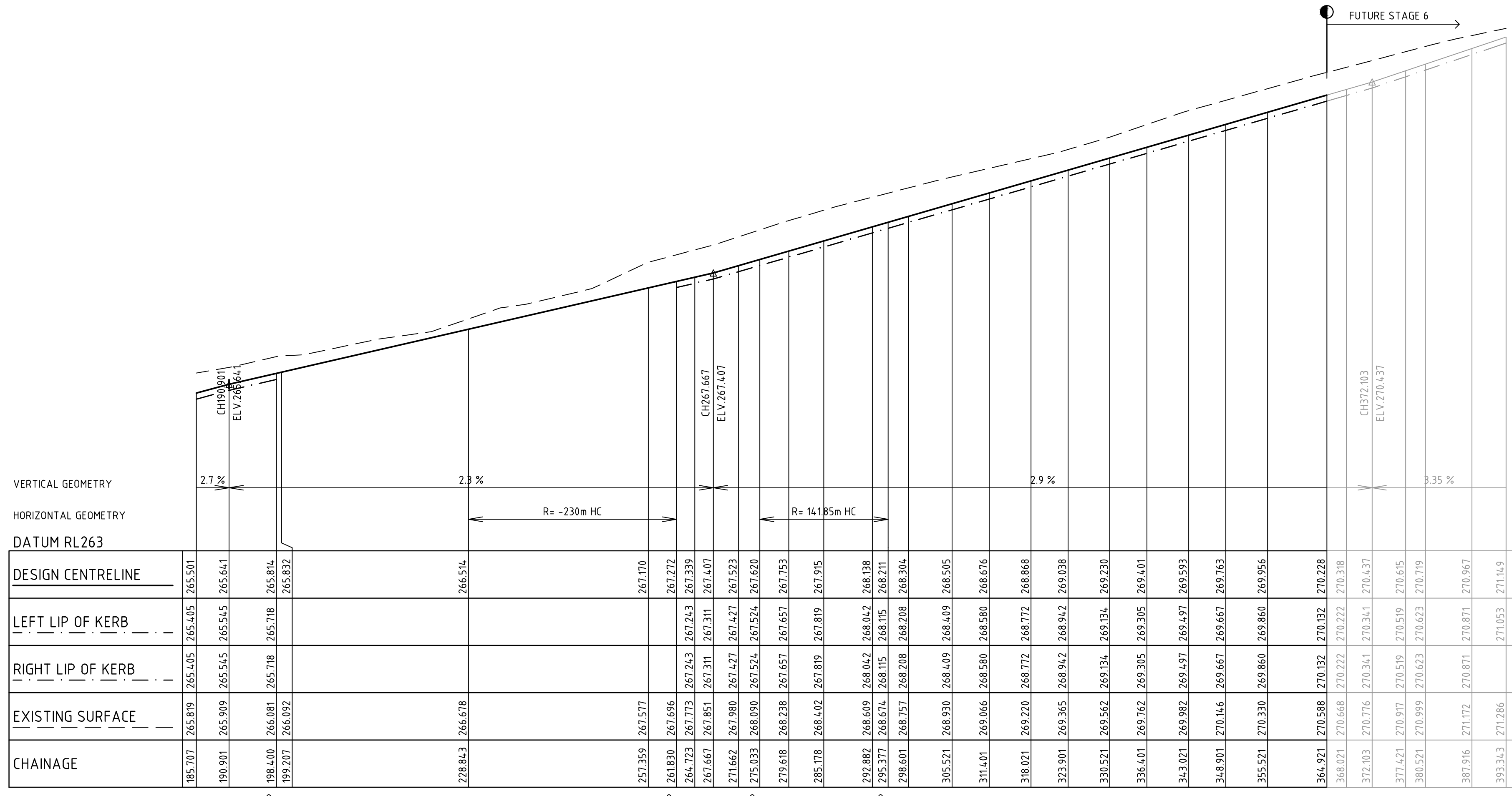
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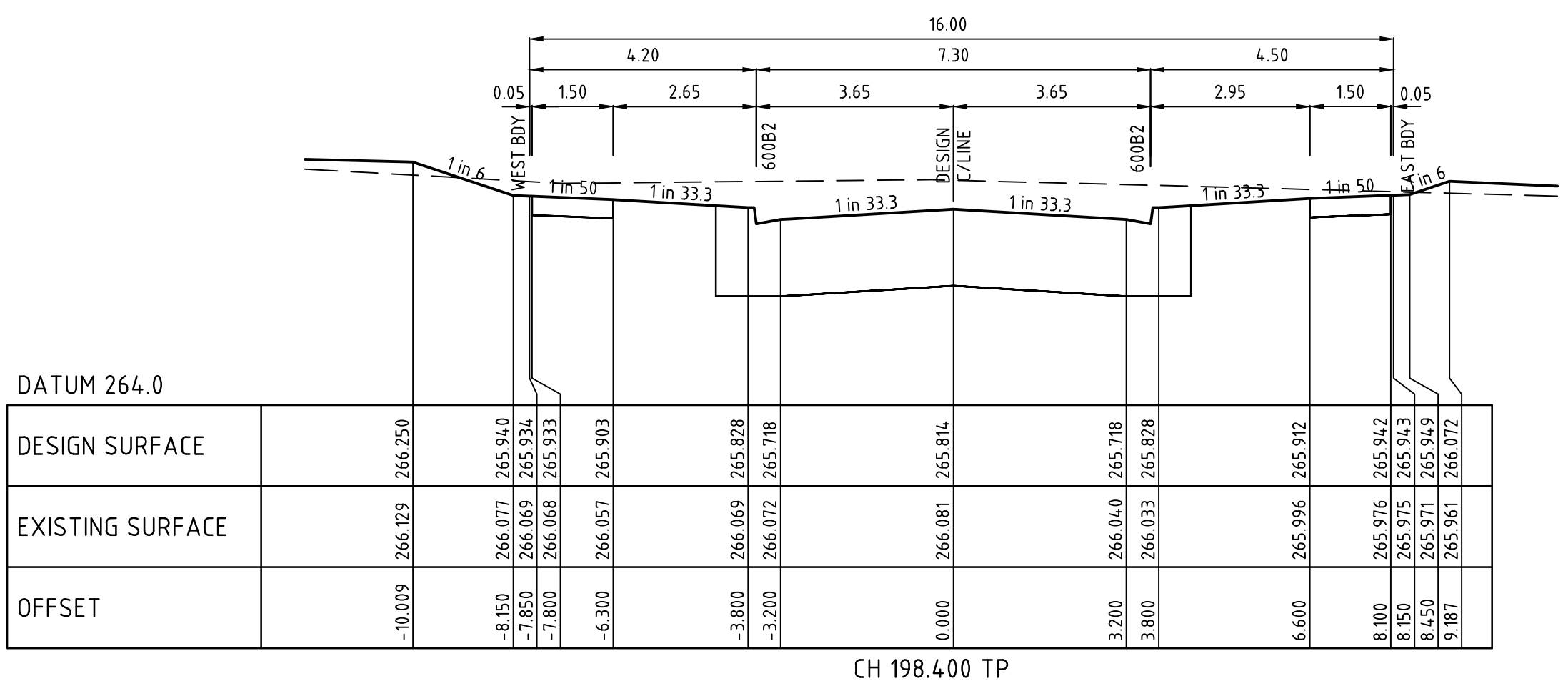
MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
LONGITUDINAL AND CROSS SECTIONS - 1
MURRAY STREET

DRAWING No.	VERSION
5R6	A
REFERENCE	23017E/5
SHEET	6 OF 17

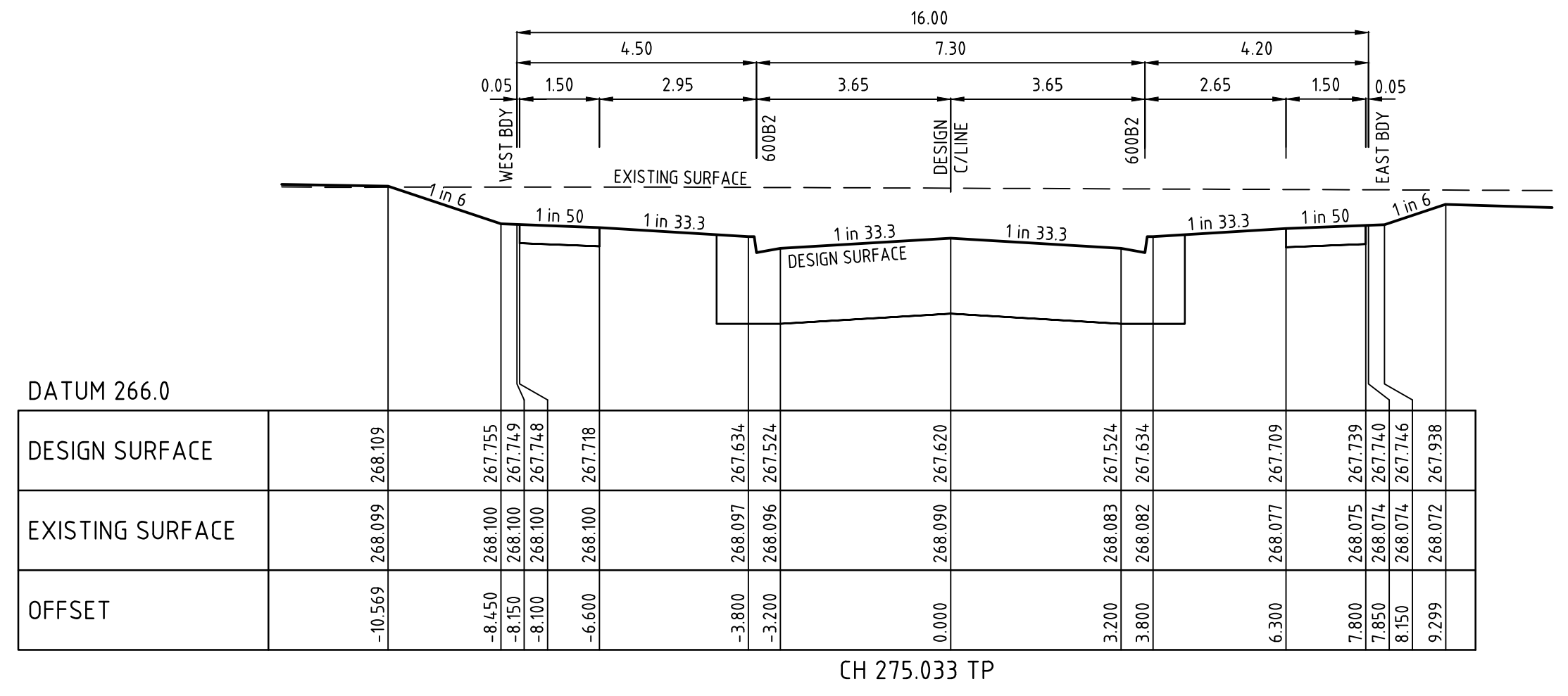


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EXISTING SURFACE	265.819	265.989	266.081	266.092	266.678	267.577	267.696	267.773	267.851	267.927	268.000	268.238	268.402	268.609	268.674	268.751	268.930	269.066	269.220	269.385	269.562	269.762	269.982	270.146	270.330	270.521	270.668	270.776	270.917	270.999	271.172	271.286		
DESIGN CENTRELINE	265.501	265.545	265.718	265.832	266.514	267.170	267.272	267.339	267.311	267.427	267.524	267.657	267.819	268.138	268.215	268.208	268.409	268.580	268.772	268.942	269.134	269.305	269.497	269.667	269.860	270.032	270.222	270.341	270.437	270.519	270.623	270.719	270.871	271.053
LEFT LIP OF KERB	265.405	265.545	265.718	265.832	266.514	267.170	267.272	267.339	267.311	267.427	267.524	267.657	267.819	268.138	268.215	268.208	268.409	268.580	268.772	268.942	269.134	269.305	269.497	269.667	269.860	270.032	270.222	270.341	270.437	270.519	270.623	270.719	270.871	271.053
RIGHT LIP OF KERB	265.405	265.545	265.718	265.832	266.514	267.170	267.272	267.339	267.311	267.427	267.524	267.657	267.819	268.138	268.215	268.208	268.409	268.580	268.772	268.942	269.134	269.305	269.497	269.667	269.860	270.032	270.222	270.341	270.437	270.519	270.623	270.719	270.871	271.053

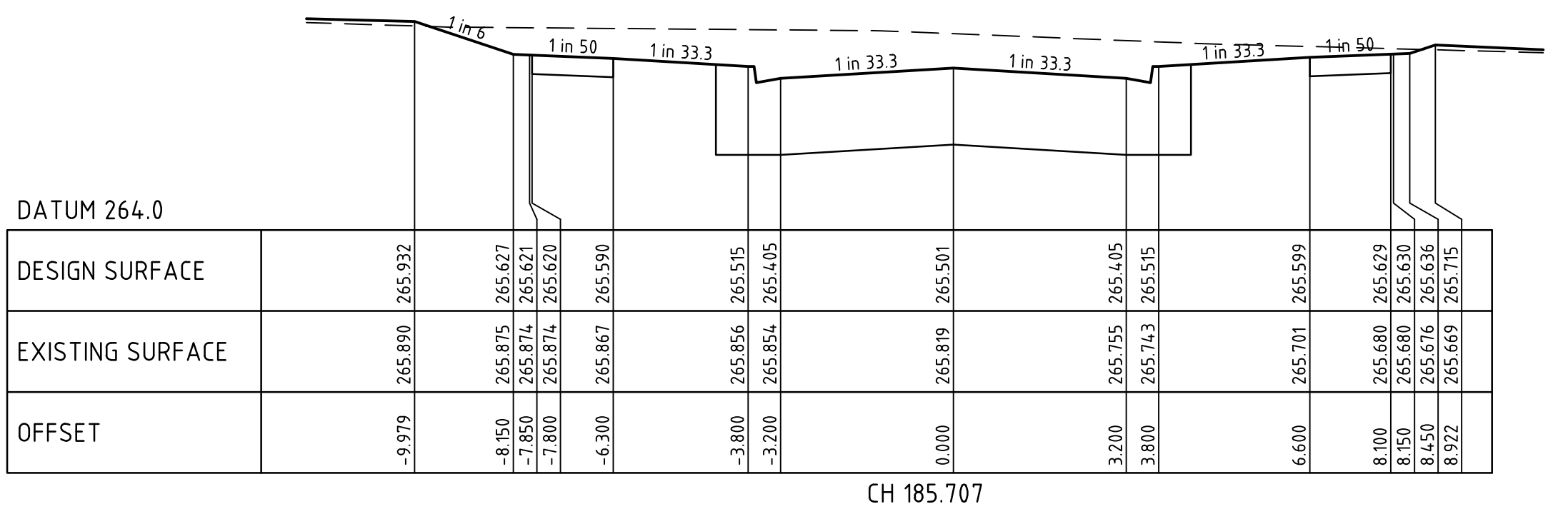
CYPRESS CRESCENT - BRISTLECONE STREET LONGITUDINAL SECTION



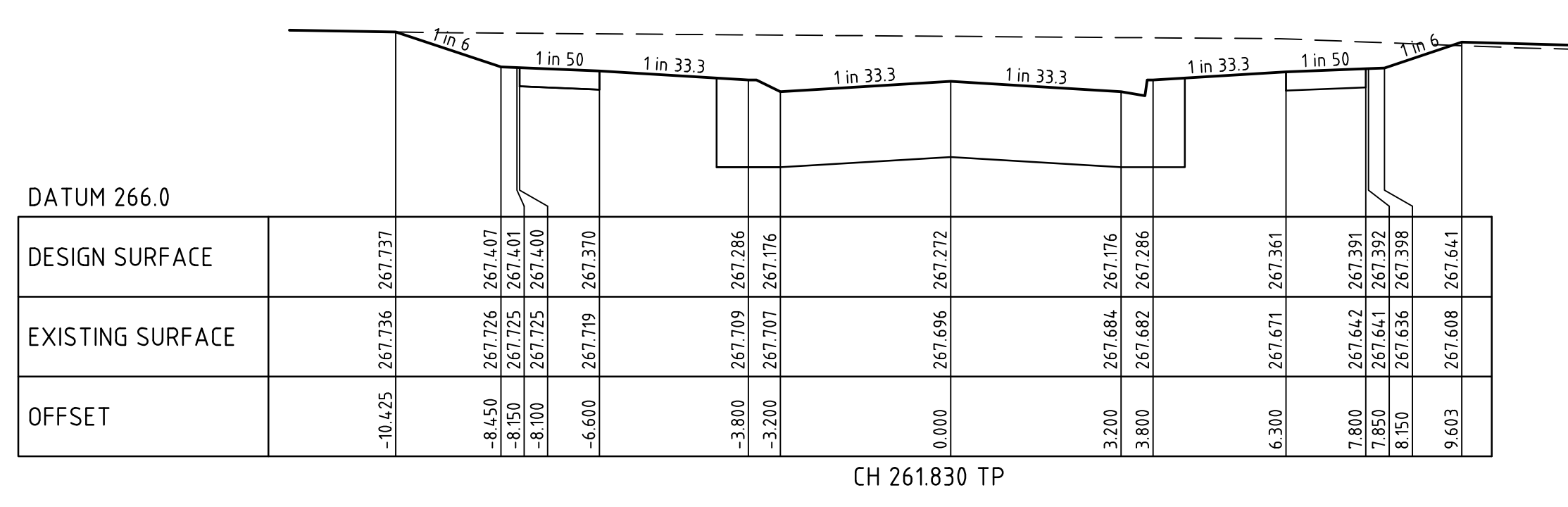
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DESIGN SURFACE	266.250
EXISTING SURFACE	266.129
OFFSET	-10.009



CHAINAGE	275.033
DESIGN SURFACE	268.109
EXISTING SURFACE	268.099
OFFSET	-10.569



CHAINAGE	185.707
DESIGN SURFACE	265.932
EXISTING SURFACE	265.890
OFFSET	-9.979



CHAINAGE	261.830
DESIGN SURFACE	267.737
EXISTING SURFACE	267.736
OFFSET	-10.425

CYPRESS CRESCENT - BRISTLECONE STREET CROSS SECTIONS

WARNING
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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

SCALE

LONG SECTION: 0 5 10 20
Scale H 1:500 V 1:50 @ A1

CROSS SECTION: 0 1 2 4
Scale H 1:100 V 1:50 @ A1

LEGEND

COMPACTED TYPE A STRUCTURAL MATERIAL IN ACCORDANCE WITH COUNCIL TECHNICAL SPEC. SECT. 204, FROM BASE OF PAVEMENT TO 150mm BELOW NATURAL SURFACE, WITH SIDE SLOPES 1 in 0.5 MAX.

DRAWN BY	H.MARES	DESIGNED BY	J.SIGABALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

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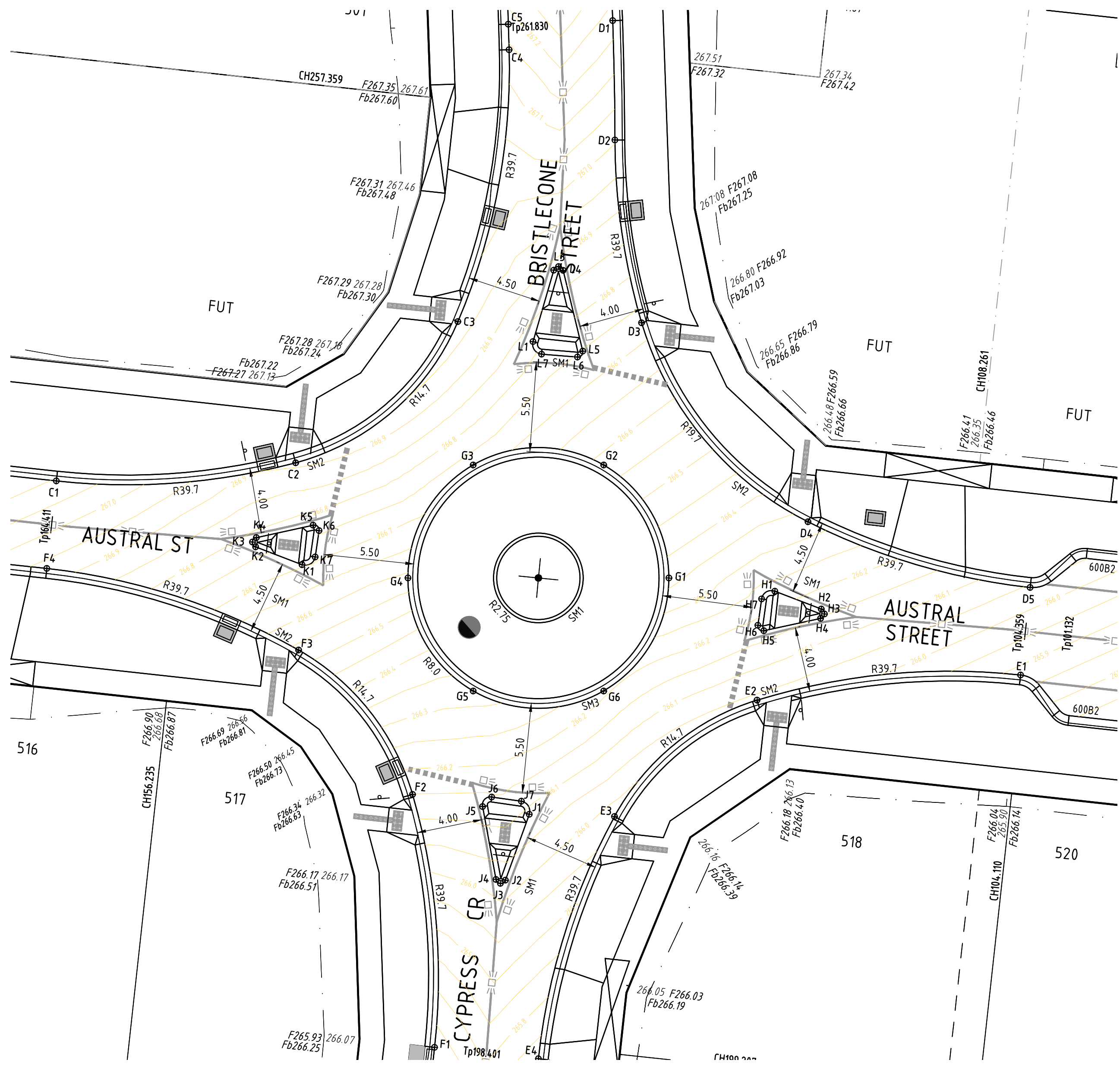
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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
LONGITUDINAL AND CROSS SECTIONS - 1
CYPRESS CRESCENT - BRISTLECONE STREET

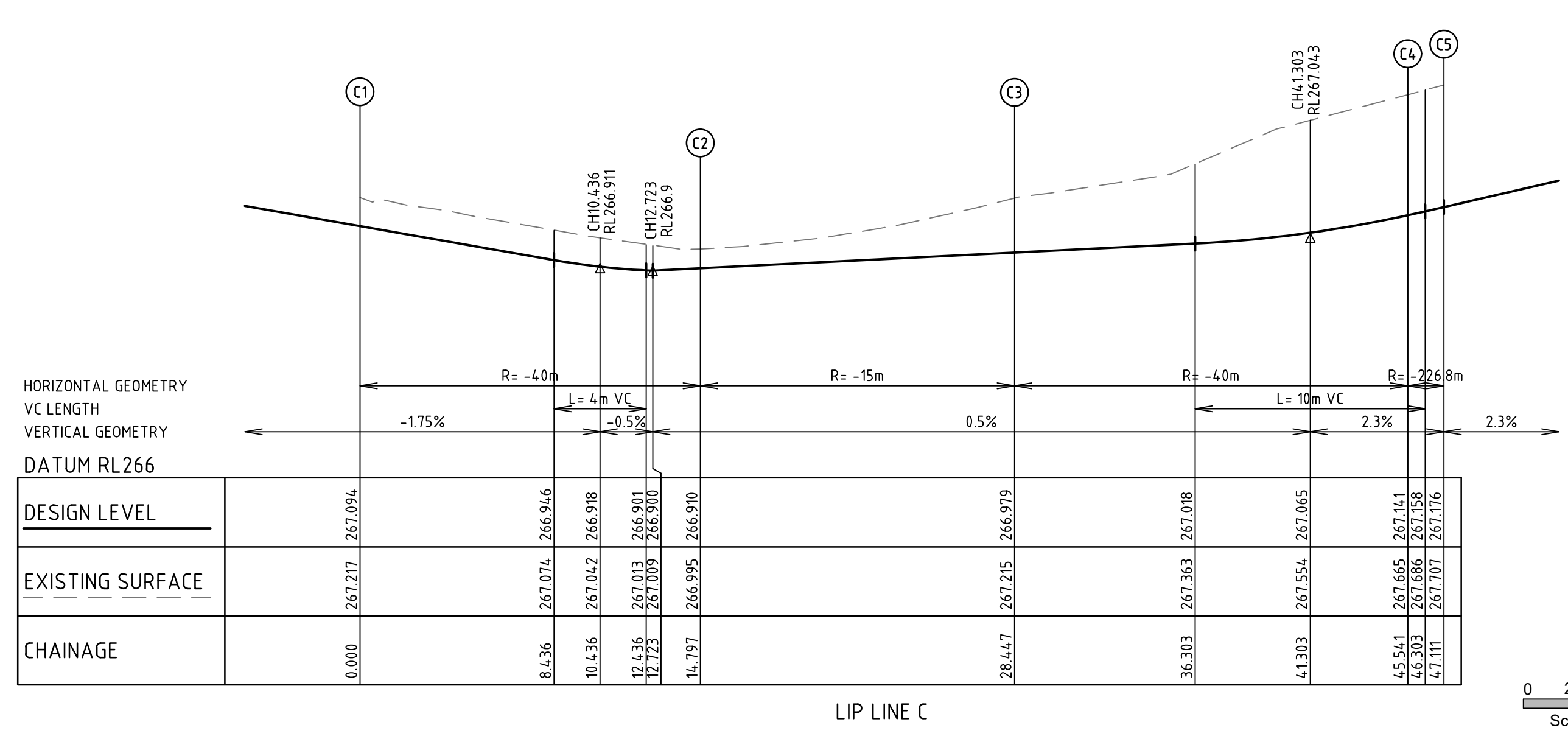
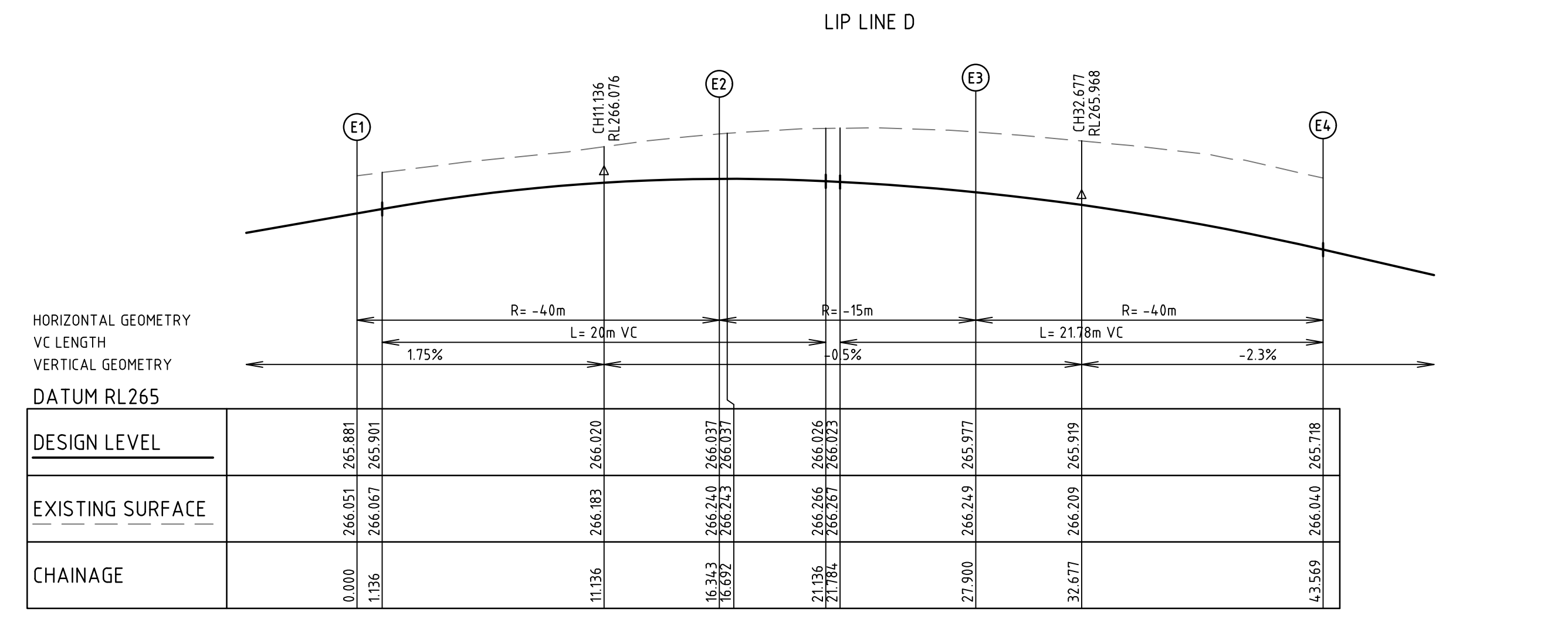
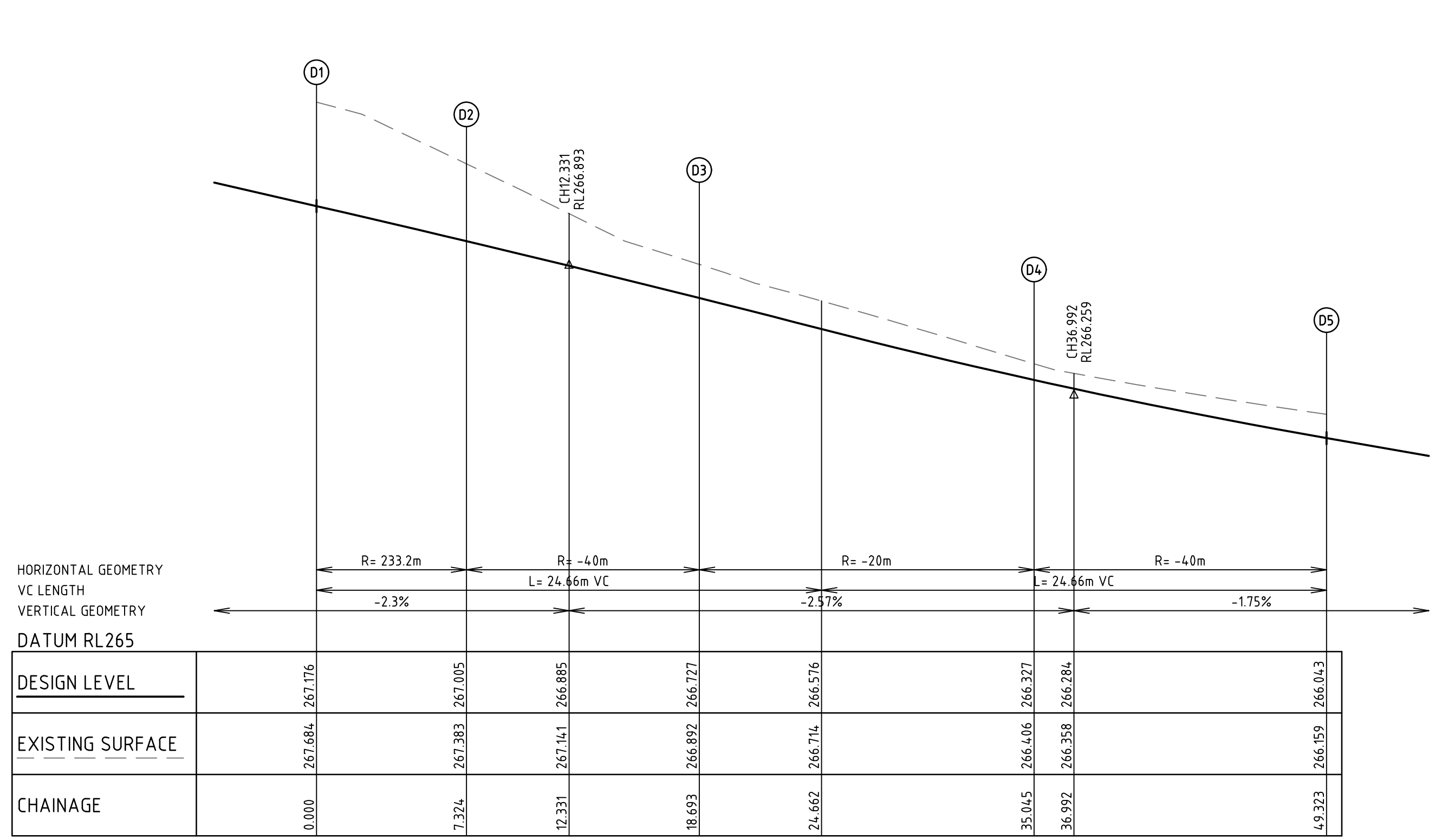
DRAWING No.	5R8	VERSION	A
REFERENCE	23017E/5		
SHEET	8 OF 17		

H:\23017E\STAGE-5\CADD\DWG\SET\ROAD AND DRAINAGE\23017E_5R3-5.DWG

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ROUNDABOUT DETAIL
AUSTRAL STREET AND CYPRESS CRESCENT - BRISTLECONE STREET



ALIGNMENT C

PT NO	EASTING	NORTHING	RL
C1	320154.647	5850983.805	267.094
C2	320169.317	5850984.922	266.910
C3	320179.264	5850993.575	266.979
C4	320182.404	5851010.247	267.141
C5	320182.356	5851011.816	267.176

ALIGNMENT D

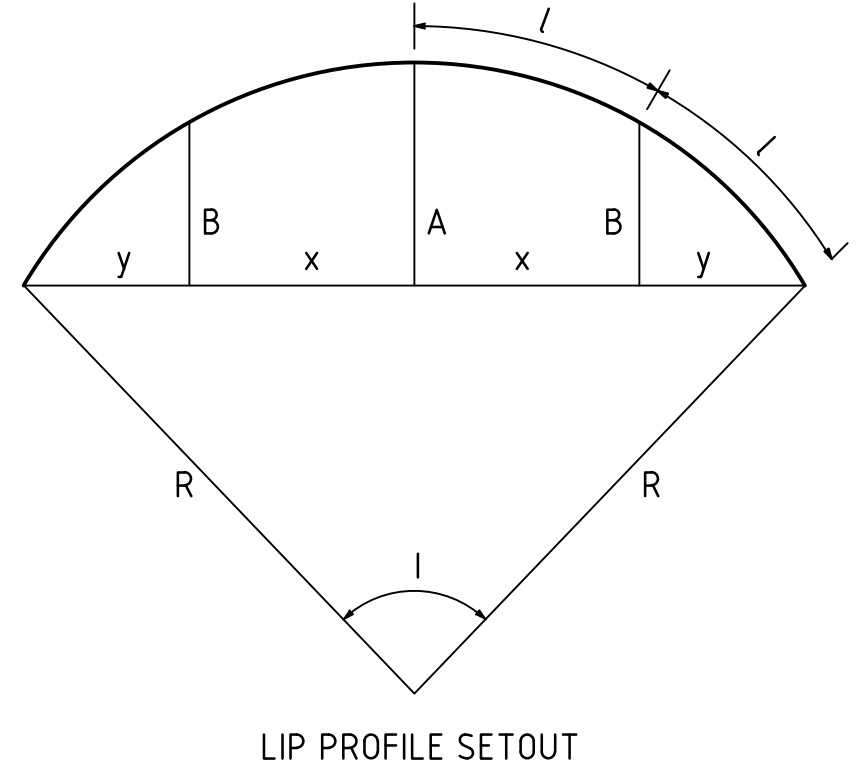
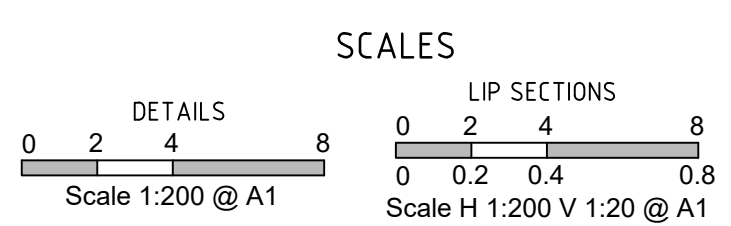
PT NO	EASTING	NORTHING	RL
D1	320188.752	5851012.036	267.176
D2	320188.889	5851004.713	267.005
D3	320190.528	5850993.502	266.727
D4	320200.723	5850981.300	266.327
D5	320214.343	5850977.274	266.043

ALIGNMENT E

PT NO	EASTING	NORTHING	RL
E1	320213.755	5850971.906	265.881
E2	320197.600	5850970.361	266.037
E3	320188.868	5850963.230	265.977
E4	320184.195	5850948.379	265.718

ALIGNMENT E CURVE DATA

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
E1 - E2	23.409	40.000	16.343	0.832	0.623	4.079	4.036	4.086	265.996
E2 - E3	44.148	15.000	11.558	1.100	0.822	2.872	2.765	2.889	266.021
E3 - E4	22.443	40.000	15.668	0.765	0.573	3.911	3.873	3.917	265.873



WARNING
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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

LEGEND

- DRAIN, PROPERTY INLET & PIT
- EX DRAIN & PIT
- HOUSE DRAIN
- SEWER AND MAINTENANCE HOLE
- EX SEWER AND MAINTENANCE HOLE
- WATER MAIN
- EX WATER MAIN, VALVE & HYDRANT
- GAS MAIN
- EX GAS MAIN, VALVE
- COMMS SERVICES & PITS
- EX COMMS SERVICES & PITS
- RECYCLED WATER
- EX RECYCLED WATER
- ELECTRICAL U.G. SERVICES
- EX ELECTRICAL U.G. SERVICES
- ELECTRICAL SERVICE & PIT
- EX ELECTRICAL SERVICE & PIT
- LIGHT POLE & PIT
- EX ELECTRICAL ASSETS
- EX ELECTRICAL OVERHEADS
- GAS & WATER CONDUITS
- EX GAS & WATER CONDUITS
- TOE OF BATTER
- EX FENCE
- EX WALL OR BUILDING
- FINISHED SURFACE AFTER CUTTING OR FILLING
- TOP OF PROPOSED BATTER
- PROPOSED PAVEMENT OR FOOTPATH SURFACE
- EXISTING OR PROPOSED INVERT LEVEL OF PIPE OR OPEN DRAIN
- TANGENT POINT
- CHAINAGE
- PSM
- STREET SIGN
- DRAINAGE PIT NO.
- TBM

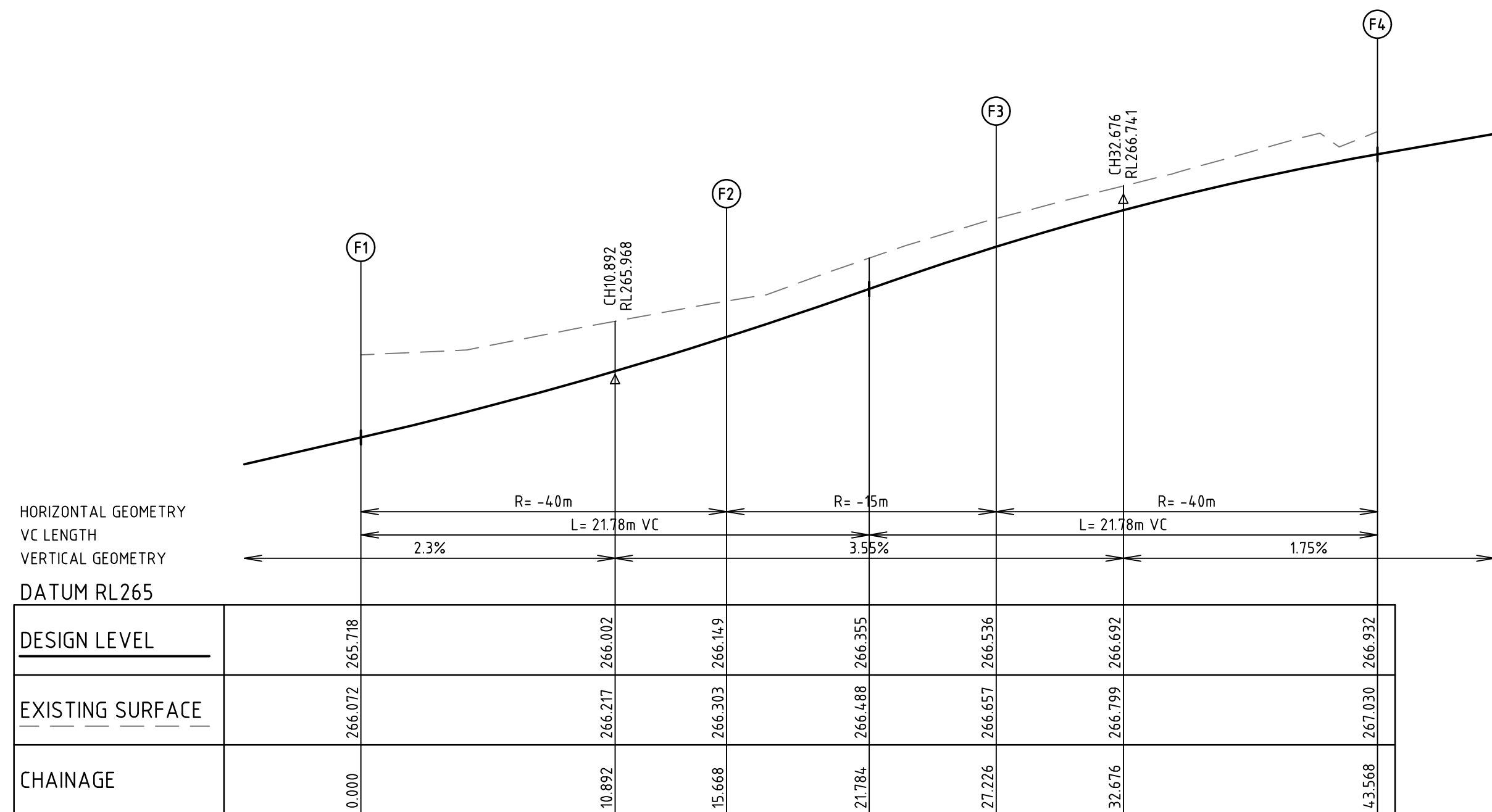
DRAWN BY	H.MARES	DESIGNED BY	J.SIGABALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

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MITCHELL SHIRE COUNCIL
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TIMBARRA ESTATE - STAGE 5
INTERSECTION DETAILS
AND KERB SET OUT - 1

DRAWING No.	5R10	VERSION	A
REFERENCE	23017E/5		
SHEET	10	OF	17



ALIGNMENT F

PT NO	EASTING	NORTHING	RL
F1	320177.833	585094.976	265.718
F2	320176.483	585096.436	266.149
F3	320169.499	585097.436	266.536
F4	320154.060	585097.837	266.932

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
F1 - F2	22.443	40.000	15.668	0.765	0.573	3.911	3.873	3.917	265.916
F2 - F3	4.4148	15.000	11.558	1.100	0.822	2.872	2.765	2.890	266.343
F3 - F4	23.408	40.000	16.342	0.832	0.623	4.078	4.036	4.086	266.762

ALIGNMENT G

PT NO	EASTING	NORTHING	RL
G1	320192.201	585097.856	266.367
G2	320188.201	585098.478	266.582
G3	320180.201	585098.478	266.722
G4	320176.201	585097.856	266.587
G5	320180.201	585097.927	266.326
G6	320188.201	585097.927	266.211

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
G1 - G2	60.000	8.000	8.378	1.072	0.799	2.071	1.929	2.094	266.474
G2 - G3	60.000	8.000	8.378	1.072	0.799	2.071	1.929	2.094	266.676
G3 - G4	60.000	8.000	8.378	1.072	0.799	2.071	1.929	2.094	266.701
G4 - G5	60.000	8.000	8.378	1.072	0.799	2.071	1.929	2.094	266.415
G5 - G6	60.000	8.000	8.378	1.072	0.799	2.071	1.929	2.094	266.268
G6 - G1	60.000	8.000	8.378	1.072	0.799	2.071	1.929	2.094	266.240

**MEDIANS
KERB SET OUT**

ALIGNMENT H

PT NO	EASTING	NORTHING	RL
H1	320198.693	585097.043	266.232
H2	320201.542	585097.954	266.161
H3	320201.734	585097.651	266.153
H4	320201.499	585097.380	266.145
H5	320198.016	585097.420	266.170
H6	320197.655	585097.496	266.186
H7	320197.885	585097.567	266.232

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
H2 - H3	73.385	0.300	0.384	0.059	0.044	0.094	0.085	0.096	266.157
H3 - H4	73.385	0.300	0.384	0.059	0.044	0.094	0.085	0.096	266.149
H5 - H6	110.418	0.300	0.578	0.129	0.095	0.139	0.107	0.145	266.178
H7 - H1	102.812	0.600	1.077	0.226	0.166	0.260	0.209	0.269	266.232

ALIGNMENT J

PT NO	EASTING	NORTHING	RL
J1	320183.635	585096.366	266.089
J2	320182.178	585095.323	266.027
J3	320181.871	585095.126	266.020
J4	320181.601	585095.371	266.022
J5	320180.775	585096.837	266.128
J6	320181.338	585096.422	266.146
J7	320183.156	585096.163	266.117

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
J2 - J3	74.852	0.300	0.392	0.062	0.046	0.096	0.086	0.098	266.024
J3 - J4	74.852	0.300	0.392	0.062	0.046	0.096	0.086	0.098	266.021
J5 - J6	108.585	0.500	0.948	0.208	0.153	0.228	0.178	0.237	266.137
J7 - J1	101.711	0.600	1.065	0.221	0.163	0.258	0.208	0.266	266.103

ALIGNMENT K

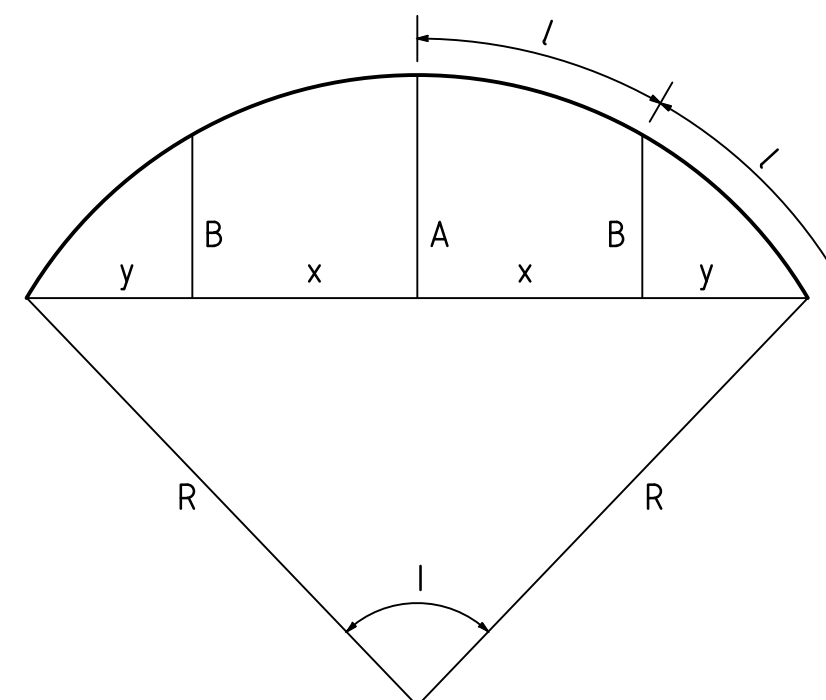
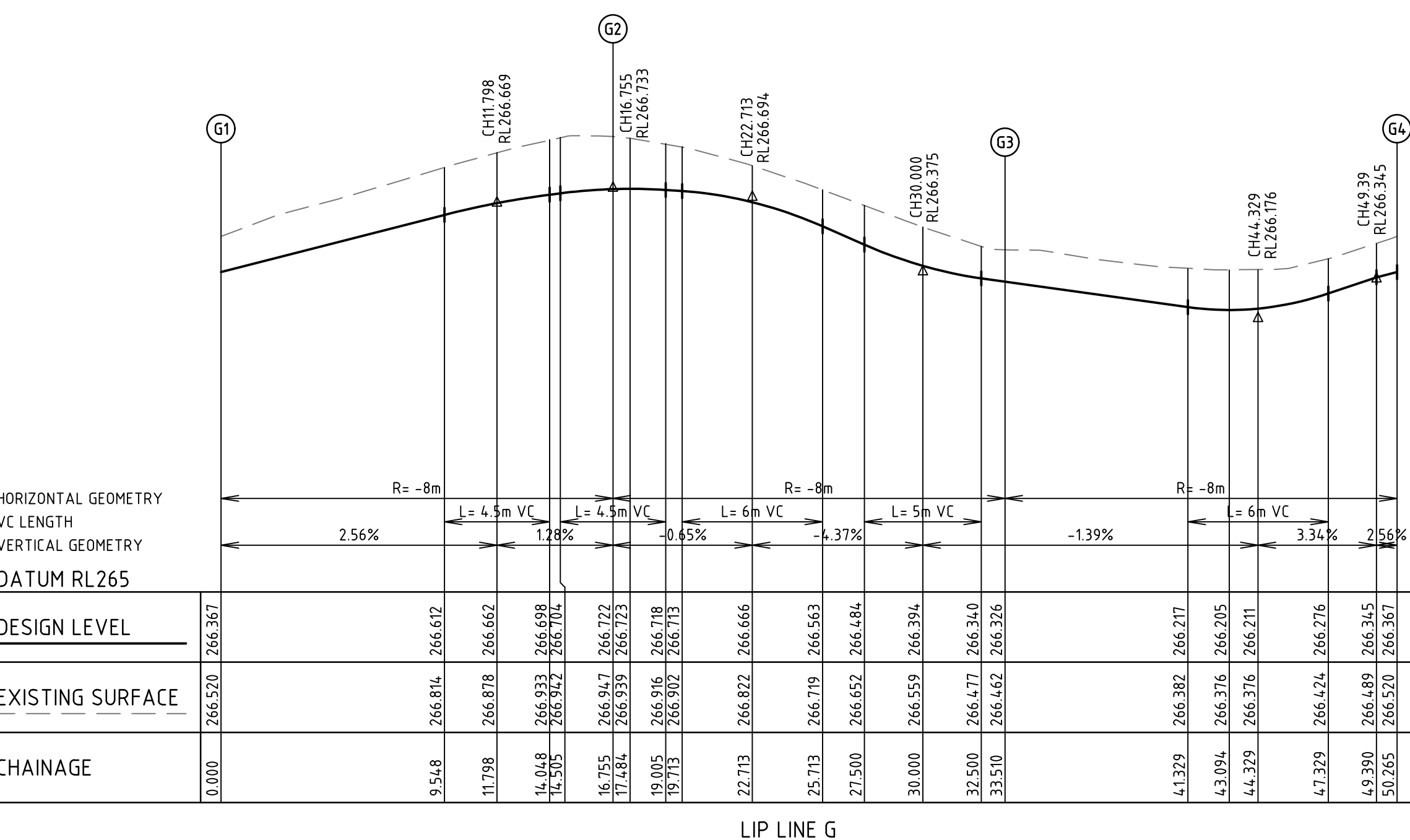
POINT NO	EASTING	NORTHING	RL
K1	320169.711	585097.672	266.705
K2	320166.862	585097.758	266.770
K3	320166.669	585098.061	266.782
K4	320166.904	585098.331	266.786
K5	320170.387	585098.1094	266.773
K6	320170.748	585098.759	266.758
K7	320170.519	585097.148	266.709

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
K2 - K3	73.388	0.300	0.384	0.059	0.044	0.094	0.085	0.096	266.776
K3 - K4	73.388	0.300	0.384	0.059	0.044	0.094	0.085	0.096	266.778
K5 - K6	110.475	0.300	0.578	0.129	0.095	0.139	0.107	0.145	266.767
K7 - K1	102.748	0.600	1.076	0.225	0.166	0.260	0.209	0.269	266.703

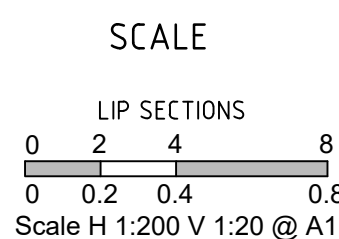
ALIGNMENT L

PT NO	EASTING	NORTHING	RL
L1	320183.864	585099.2350	266.822
L2	320185.138	585099.732	266.885
L3	320185.433	585099.948	266.884
L4	320185.718	585099.719	266.874
L5	320186.914	585099.1770	266.747
L6	320186.598	585099.1401	266.745
L7	320184.391	585099.1584	266.792

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
L2 - L3	75.100	0.300	0.393	0.062	0.046	0.097	0.086	0.098	266.885
L3 - L4	75.100	0.300	0.393	0.062	0.046	0.097	0.086	0.098	266.879
L5 - L6	108.345	0.300	0.567	0.124	0.091	0.137	0.107	0.142	266.746
L7 - L1	101.455	0.600	1.062	0.220	0.162	0.257	0.207	0.266	266.807



LIP PROFILE SETOUT



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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

LEGEND

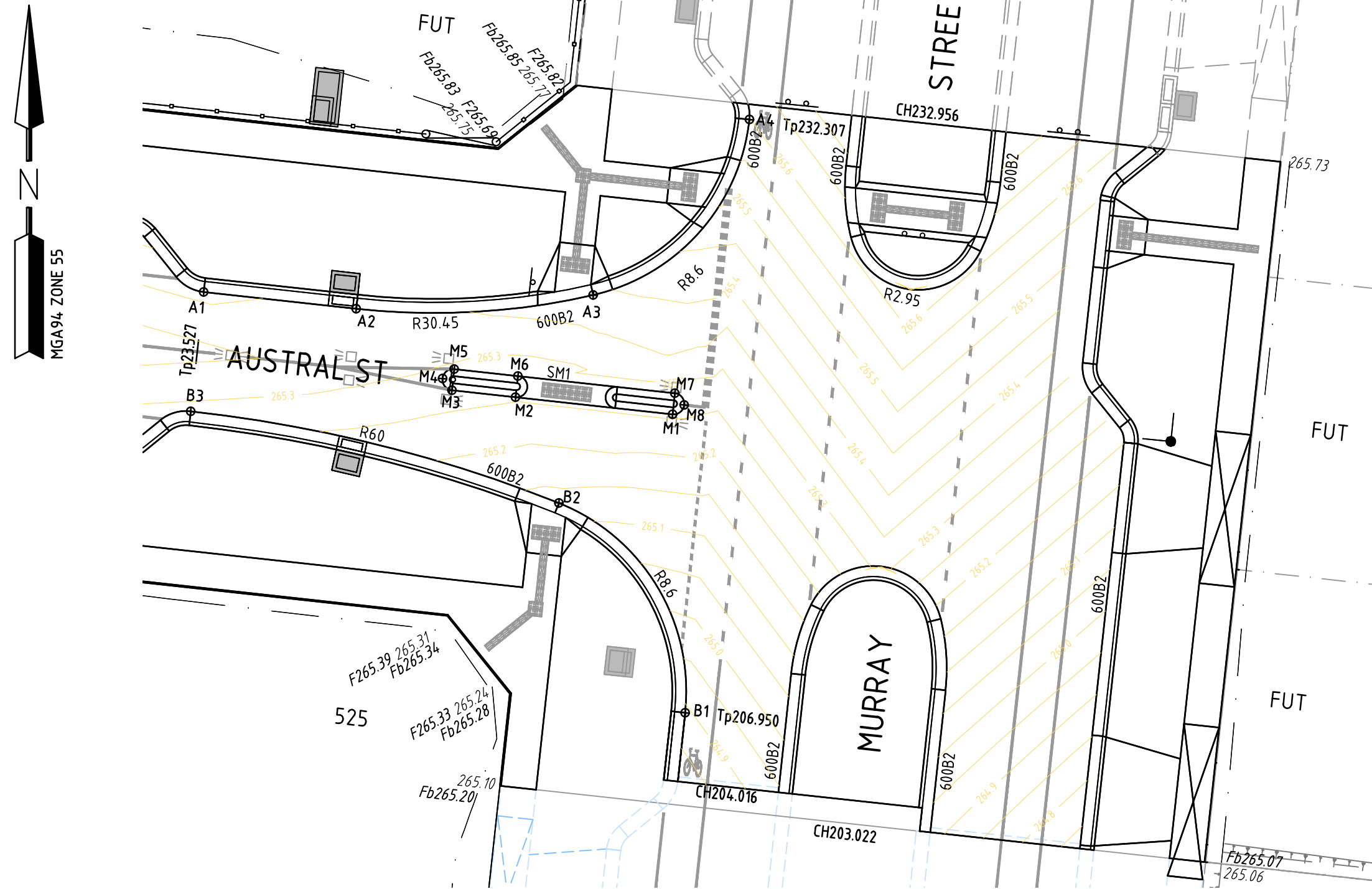
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□	EX DRAIN & PIT	— ExRW	EX RECYCLED WATER
□	HOUSE DRAIN	— E	ELECTRICAL U.G. SERVICES
□	SEWER AND MAINTENANCE HOLE	— ExE	EX ELECTRICAL U.G. SERVICES
□	EX SEWER AND MAINTENANCE HOLE	— E	ELECTRICAL SERVICE & PIT
□	WATER MAIN	— ExW	EX ELECTRICAL ASSETS
□	EX WATER MAIN, VALVE & HYDRANT	— G	EX ELECTRICAL OVERHEADS
□	GAS MAIN	— GW	GAS & WATER CONDUITS
□	EX GAS MAIN, VALVE	—	TOE OF BATTER
□	COMMS SERVICES & PITS	—	EX FENCE
□	EX COMMS SERVICES & PITS	—	EX WALL OR BUILDING

DRAWN BY	H.MARES	DESIGNED BY	J.SIGBALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
INTERSECTION DETAILS
AND KERB SET OUT - 2

DRAWING No.	5R11	VERSION	A
REFERENCE	23017E/5		
SHEET	11	OF	17



INTERSECTION DETAIL
CARRICK AVENUE AND HERTFORD PLACE

ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	320294.679	5850968.332	265.287
A2	320301.162	5850967.623	265.322
A3	320311.237	5850968.203	265.390
A4	320317.877	5850975.662	265.598

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
A2 - A3	19.077	30.450	10.139	0.421	0.316	2.532	2.514	2.535	265.351
A3 - A4	70.988	8.600	10.655	1.598	1.189	2.621	2.372	2.664	265.472

ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	320315.148	5850950.452	264.891
B2	320309.777	5850959.369	265.128
B3	320294.124	5850963.263	265.287

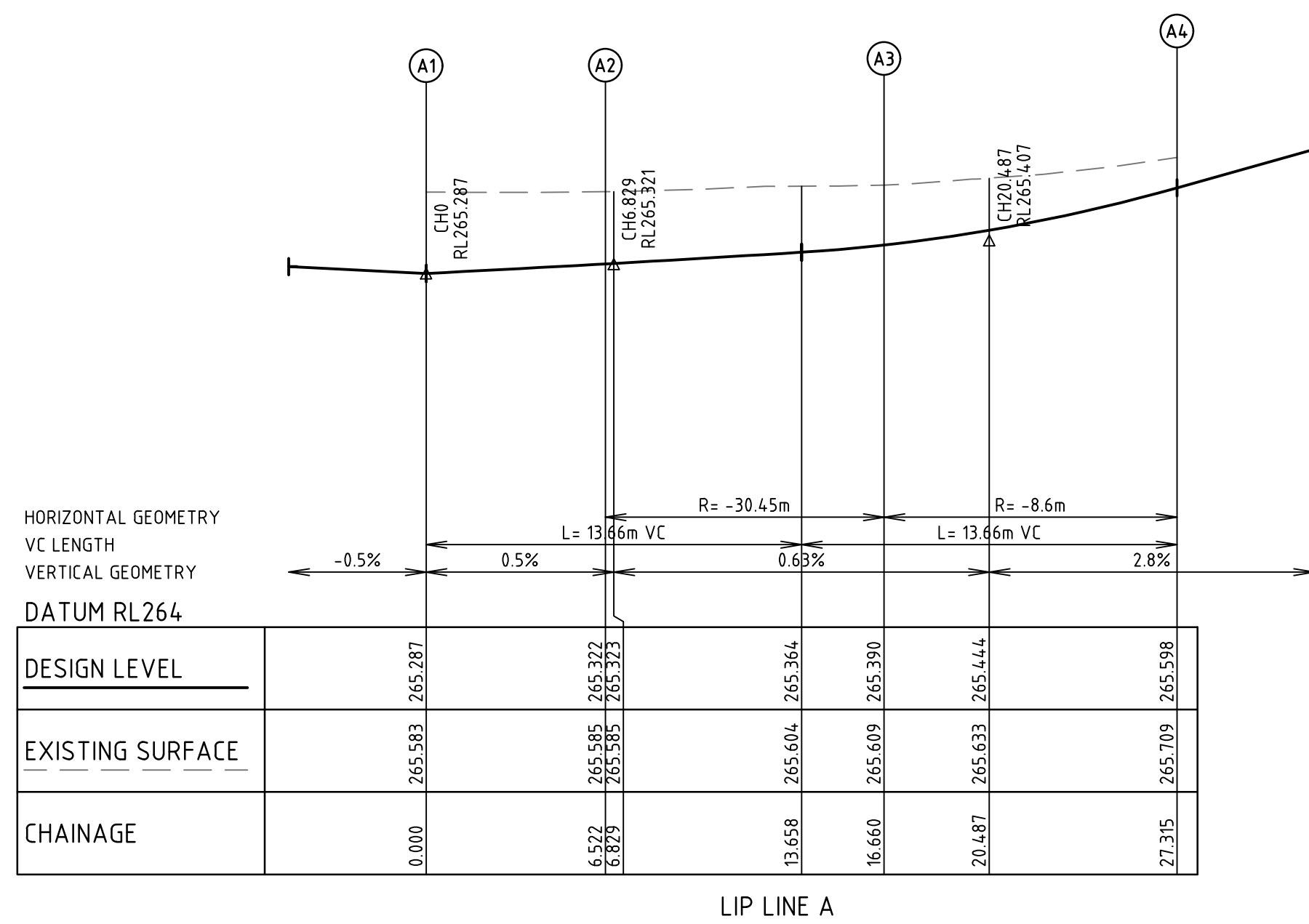
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
B1 - B2	74.485	8.600	11.180	1.754	1.304	2.746	2.459	2.795	265.025
B2 - B3	15.449	60.000	16.178	0.544	0.408	4.042	4.023	4.045	265.227

MEDIAN
KERB SET OUT

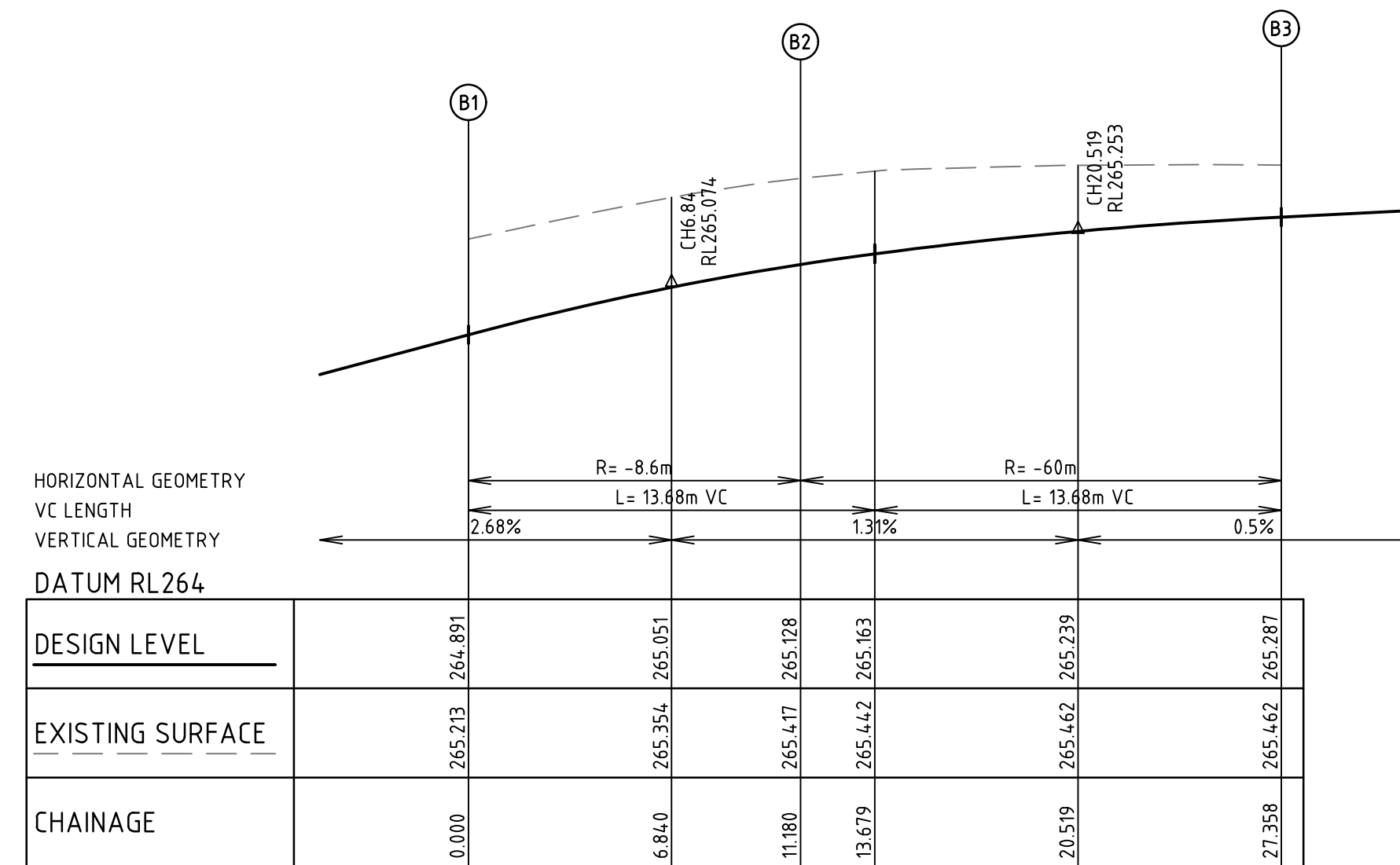
ALIGNMENT M

PT NO	EASTING	NORTHING	RL
M1	320314.609	5850963.134	265.256
M2	320307.936	5850963.864	265.255
M3	320305.232	5850964.160	265.273
M4	320304.833	5850964.656	265.288
M5	320305.329	5850965.055	265.295
M6	320308.034	5850964.759	265.298
M7	320314.706	5850964.028	265.281
M8	320315.105	5850963.533	265.265

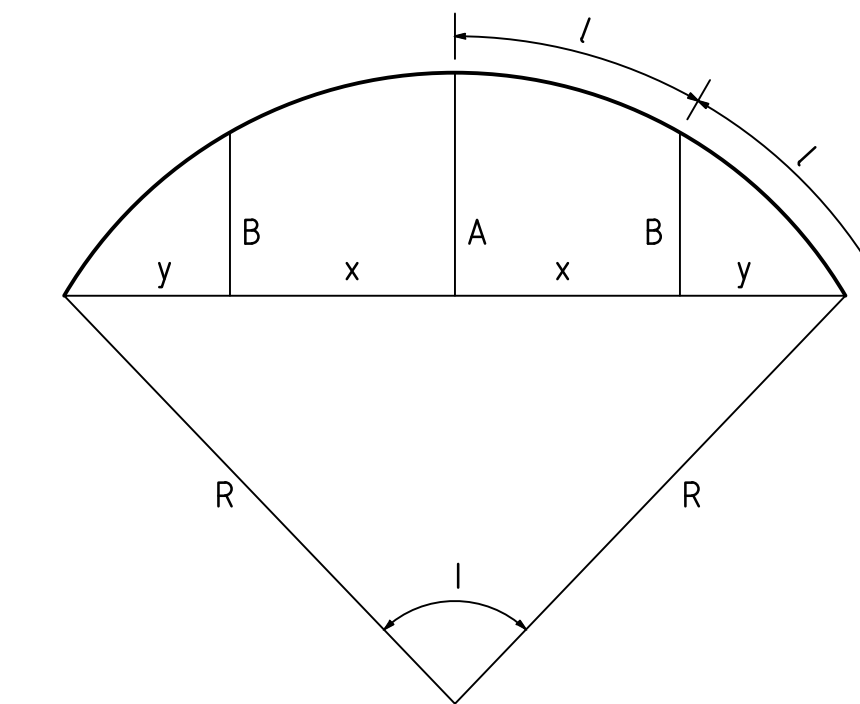
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
M3 - M4	90.000	0.450	0.707	0.132	0.098	0.172	0.146	0.177	265.281
M4 - M5	90.000	0.450	0.707	0.132	0.098	0.172	0.146	0.177	265.292
M7 - M8	90.000	0.450	0.707	0.132	0.098	0.172	0.146	0.177	265.273
M8 - M1	90.000	0.450	0.707	0.132	0.098	0.172	0.146	0.177	265.260



LIP LINE A



LIP LINE B



LIP PROFILE SETOUT

HORIZONTAL GEOMETRY
VC LENGTH
VERTICAL GEOMETRY

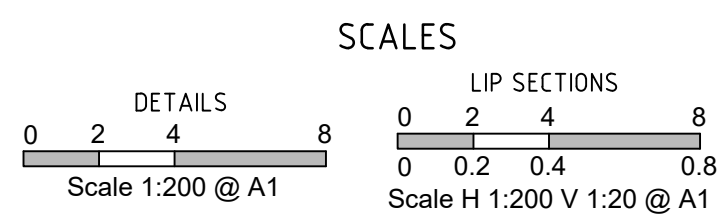
DATUM RL264

DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
265.287	265.583	0.000
265.322	265.585	6.572
265.323	265.585	6.879
265.364	265.604	13.658
265.390	265.609	16.660
265.444	265.633	20.487
265.598	265.709	27.315

HORIZONTAL GEOMETRY
VC LENGTH
VERTICAL GEOMETRY

DATUM RL264

DESIGN LEVEL	EXISTING SURFACE	CHAINAGE
264.891	265.273	0.000
265.051	265.354	6.840
265.128	265.417	11.180
265.163	265.442	13.679
265.239	265.462	20.519
265.287	265.462	27.358



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A	PRELIMINARY ISSUE	13.10.22	JS

LEGEND

□	DRAIN, PROPERTY INLET & PIT	— RW —	RECYCLED WATER
□	EX DRAIN & PIT	— ExRW —	EX RECYCLED WATER
□	HOUSE DRAIN	— E —	ELECTRICAL U.G. SERVICES
□	SEWER AND MAINTENANCE HOLE	— ExE —	EX ELECTRICAL U.G. SERVICES
□	EX SEWER AND MAINTENANCE HOLE	— E —	ELECTRICAL SERVICE & PIT
□	WATER MAIN	— E —	EX ELECTRICAL ASSETS
□	EX WATER MAIN, VALVE & HYDRANT	— E —	EX ELECTRICAL OVERHEADS
□	GAS MAIN	— G —	GAS & WATER CONDUITS
□	EX GAS MAIN, VALVE	— G —	EX ELECTRICAL OVERHEADS
□	COMMS SERVICES & PITS	— GW —	GAS & WATER CONDUITS
□	EX COMMS SERVICES & PITS	— GW —	EX ELECTRICAL OVERHEADS

— F —	FINISHED SURFACE AFTER CUTTING OR FILLING	DRAWN BY	H.MARES
— P —	TOP OF PROPOSED BATTER	DESIGNED BY	J.SIGBALAVU
— P —	PROPOSED PAVEMENT OR FOOTPATH SURFACE	MELWAY	685 H2
— IL —	EXISTING OR PROPOSED INVERT LEVEL OF PIPE OR OPEN DRAIN	CHECKED BY	-
— TP —	TANGENT POINT	DATUM	AHD
— CH —	CHAINAGE	AUTHORISED BY	-
— PSM —	EX FENCE		
— TBM —	EX WALL OR BUILDING		

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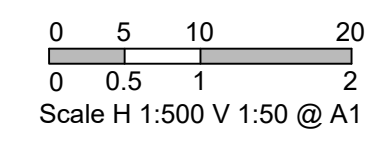
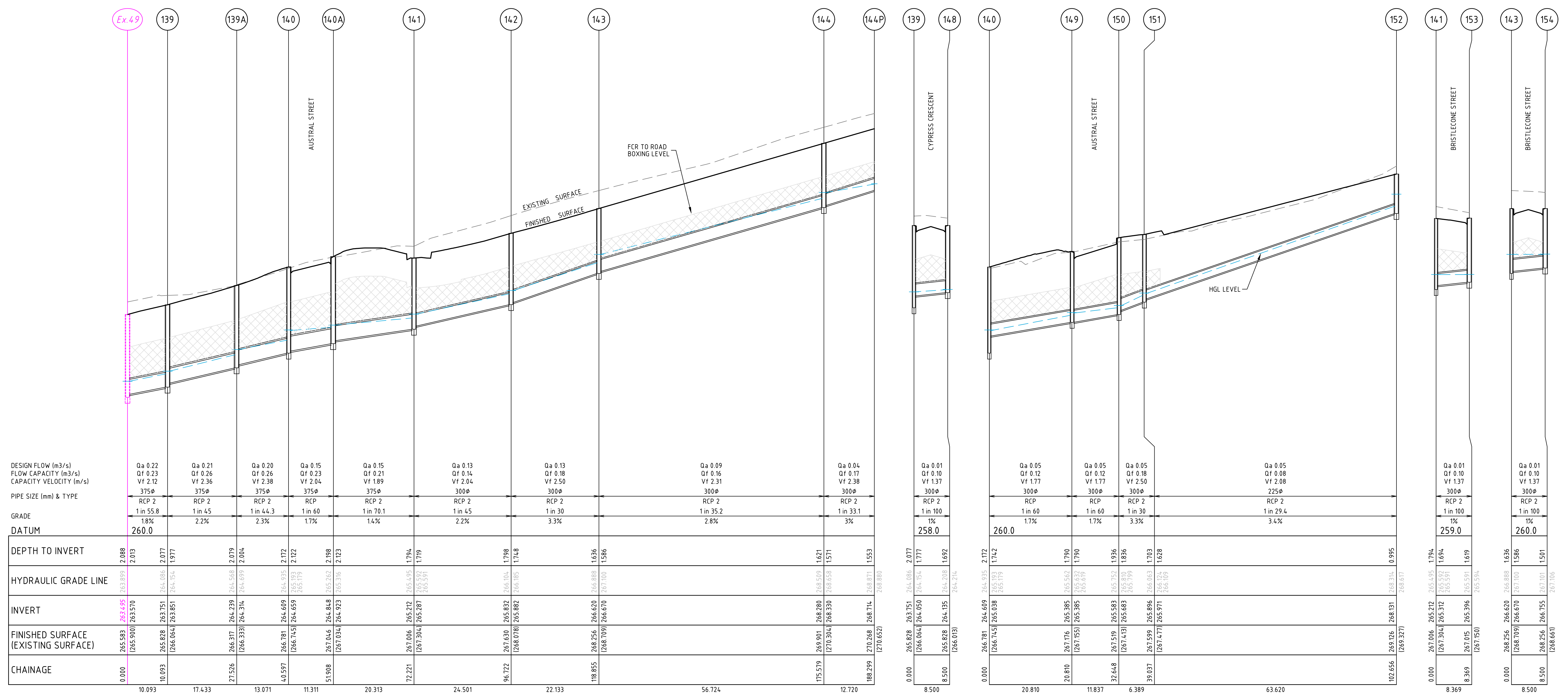
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TIMBARRA ESTATE - STAGE 5
INTERSECTION DETAILS
AND KERB SET OUT - 3

DRAWING No.	5R12	VERSION	A
REFERENCE	23017E/5		
SHEET	12	OF	17

H:\23017E\STAGE-5\CAD\DWG-SET\ROAD AND DRAINAGE\23017E_5R13-16.DWG



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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- - - - - HYDRAULIC GRADE LINE
- [Hatched Area] DENOTES CLASS 2 FCR BACKFILL

Scale H 1:500 V 1:50 @ A1
Scale H 1:1000 V 1:100 @ A3

DRAWN BY	H.MARES	DESIGNED BY	J.SIGABALAVU
MELWAY	685 H2	CHECKED BY	-
DATUM	AHD	AUTHORISED BY	-

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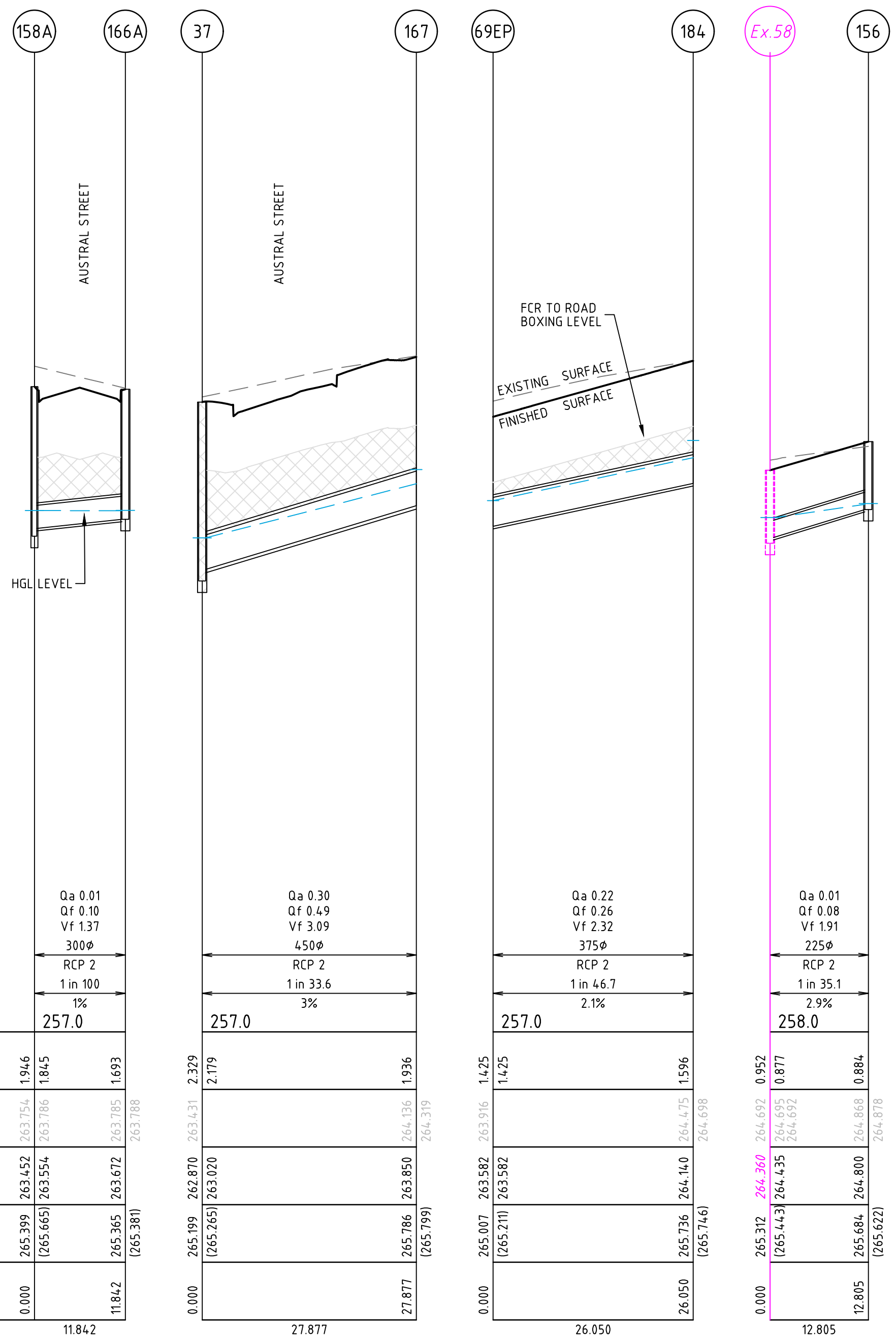
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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
DRAINAGE LONGITUDINAL SECTIONS - 1

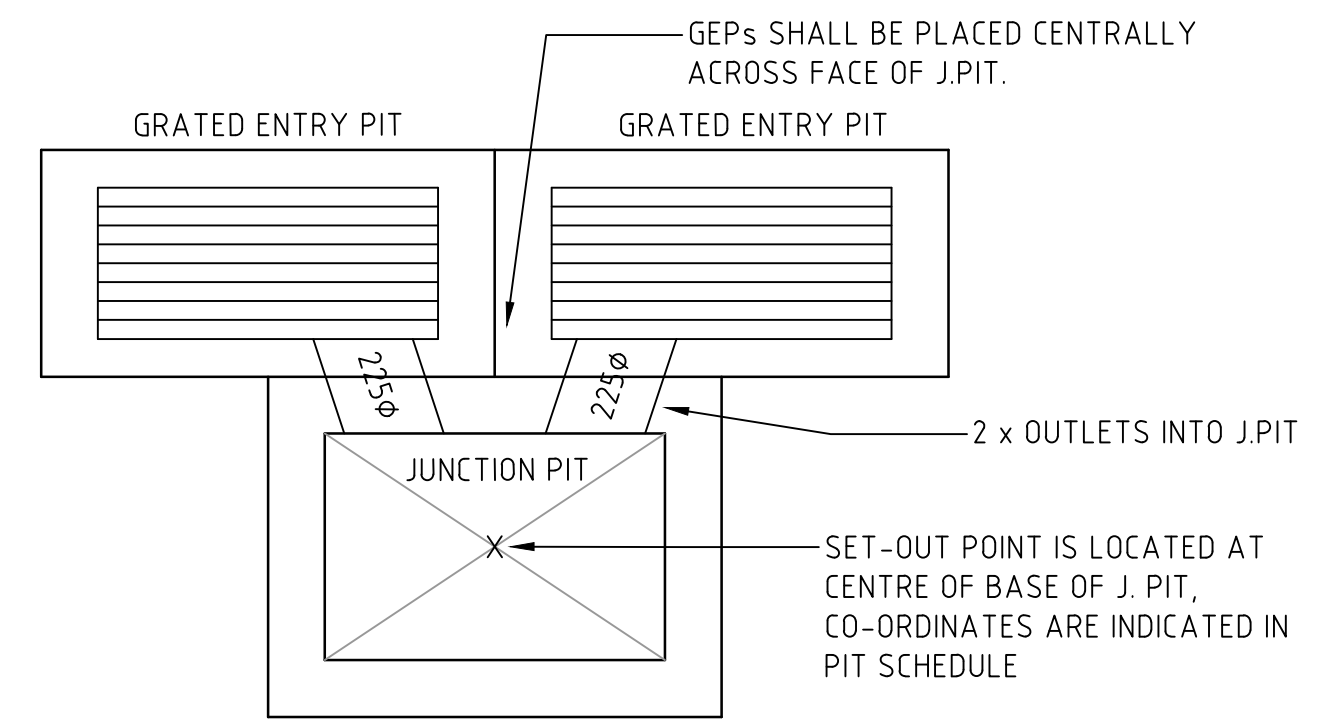
DRAWING No.	5R13	VERSION	A
REFERENCE	23017E/5		
SHEET	13	OF	17



NAME	TYPE	PIT		INTERNAL		INLET		OUTLET		PIT		EDCM	REMARKS
		EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH		
49	Ex.GEP	320175.626	5850938.560			375	263.57			265.583	2.088		CONNECT TO EXISTING DRAINAGE PIT-49 STUB
139	GEP	320176.724	5850948.593	0.6	0.9	375	263.851	375	263.751	265.828	2.077	EDCM 601	
						300	264.05						MODIFY COVER TO GEP. CONNECT TO EXISTING DRAIN PIPE
139A	GEP	320174.873	5850965.928	0.6	0.9	375	264.314	375	264.239	266.317	2.079	EDCM 601	
140	GEP	320165.000	5850974.493	0.6	0.9	375	264.659	375	264.609	266.781	2.172	EDCM 601	MODIFY COVER TO GEP
						300	265.038						
140A	GEP	320167.416	5850985.543	0.6	0.9	375	264.923	375	264.848	267.046	2.198	EDCM 601	MODIFY COVER TO GEP
141	GEP	320181.796	5850999.890	0.6	0.9	300	265.287	375	265.212	267.006	1.794	EDCM 601	
						300	265.312						DOUBLE GEP, CLASS D COVER
142	GEP	320180.872	5851024.374	0.6	0.9	300	265.882	300	265.832	267.63	1.798	EDCM 601	DOUBLE GEP
143	GEP	320181.697	5851046.491	0.6	0.9	300	266.67	300	266.62	268.256	1.636	EDCM 601	PROVIDE BLOCKOUT FOR FUTURE PIPE CONNECTION
						300	266.67						
144	GEP	320187.867	5851102.879	0.6	0.9	300	268.33	300	268.28	269.901	1.621	EDCM 601	
						300	268.33						
144P	END PIPE	320189.338	5851115.513					300	268.714	270.268	1.553		BLOCK AND SEAL ENDPipe FOR FUTURE PIPE CONNECTION
148	GEP	320185.174	5850947.669	0.6	0.9			300	264.135	265.828	1.692	EDCM 601	
149	GEP	320144.267	5850976.290	0.6	0.9	300	265.385	300	265.385	267.176	1.79	EDCM 601	
150	GEP	320144.617	5850988.122	0.6	0.9	300	265.683	300	265.583	267.519	1.936	EDCM 601	
151	JP	320138.266	5850988.817	0.6	0.9	225	265.971	300	265.896	267.599	1.703	EDCM 605	
152	JP	320145.186	5851052.059	0.6	0.9			225	268.131	269.126	0.995	EDCM 605	
153	GEP	320190.154	5851000.329	0.6	0.9			300	265.396	267.015	1.619	EDCM 601	
154	GEP	320190.147	5851045.567	0.6	0.9			300	266.755	268.256	1.501	EDCM 601	
155	GEP	320196.317	5851101.954	0.6	0.9			300	268.415	269.901	1.486	EDCM 601	
58	Ex.JP	320208.919	5850934.610			225	264.435			265.312	0.952		CONNECT TO EXISTING DRAINAGE PIT-58 STUB
156	JP	320210.312	5850947.339	0.6	0.9			225	264.8	265.684	0.884	EDCM 605	
37	Ex.JP	320312.365	5850952.622	0.9	0.9	450	263.02			265.199	2.329		CONNECT TO EXISTING DRAINAGE PIT-37 STUB
						450	263.02						CONNECT TO EXISTING DRAINAGE PIT-37 STUB
157	GEP	320300.802	5850961.068	0.6	0.9	450	263.206	450	263.131	265.358	2.227	EDCM 601	
158	GEP	320300.680	5850968.732	0.6	0.9	450	263.36	450	263.31	265.451	2.141	EDCM 601	TEMPORARY BLOCK AND SEAL DRAIN INLET
						375	263.181						TEMPORARY DRAIN OUTLET FROM TEMPORARY RB-E
158A	GEP	320290.557	5850972.153	0.6	0.9	450	263.502	450	263.452	265.399	1.946	EDCM 601	TEMPORARY BLOCK AND SEAL DRAIN OUTLET
						300	263.554						TEMPORARY BLOCK AND SEAL DRAIN OUTLET
						450	263.488						TEMPORARY DRAIN INLET TO TEMPORARY RB-E
159	JP	320278.911	5850973.428	0.6	0.9	375	263.675	450	263.6	265.438	1.838	EDCM 605	
						300	263.75						
160	GEP	320259.025	5850975.604	0.6	0.9	225	263.968	375	263.775	265.523	1.748	EDCM 601	PROVIDE BLOCKOUT FOR FUTURE PIPE CONNECTION
						300	263.85						
161	JP	320204.848	5850981.532	0.6	0.9			225	264.693	266.393	1.7	EDCM 605	
162	JP	320282.129	5851003.154	0.6	0.9	300	265.257	300	265.182	266.556	1.374	EDCM 605	
163	JP	320220.681	5851009.878	0.6	0.9	300	266.17	300	266.14	267.188	1.048	EDCM 605	
164	JP	320226.685	5851064.750	0.6	0.9	225	268.165	300	268.09	269.031	0.941	EDCM 605	
164P	END PIPE	320230.764	5851102.028					225	269.16	270.176	1.016		BLOCK AND SEAL ENDPipe FOR FUTURE PIPE CONNECTION
166	GEP	320257.741	5850963.874	0.6	0.9			300	263.968	265.523	1.555	EDCM 601	
166A	GEP	320289.269	5850960.381	0.6	0.9			300	263.672	265.365	1.693	EDCM 601	
167	END PIPE	320315.217	5850980.353					450	263.85	265.786	1.936		BLOCK AND SEAL ENDPipe FOR FUTURE PIPE CONNECTION
69EP	Ex.EP	320333.622	5850950.344			375	263.582			265.007	1.425		CONNECT TO EXISTING ENDPipe
184	END PIPE	320336.398	5850976.246					375	264.14	265.736	1.596		BLOCK AND SEAL ENDPipe FOR FUTURE PIPE CONNECTION

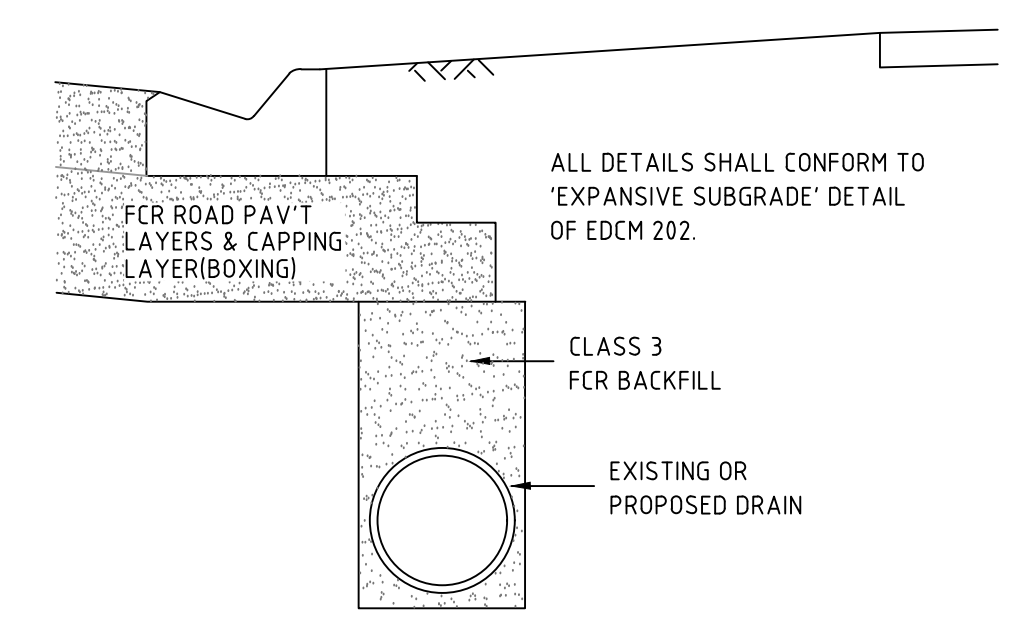
PIT SCHEDULE NOTES

- EASTING AND NORTHING REFER TO CENTRE OF BASE OF PIT UNLESS NOTED OTHERWISE
 - "SETOUT RL" REFERS TO FINISHED SURFACE LEVEL OF PIT UNLESS NOTED OTHERWISE, PIT LID TO BE ADJUSTED ON SITE TO SUIT CROSSFALL
 - "LEN" = LENGTH OF PIT AND REFERS TO THE INTERNAL DIMENSION PARALLEL TO BACK OF KERB, UNLESS NOTED OTHERWISE
 - "STD DWG" REFERS TO CURRENT COUNCIL STANDARD DRAWINGS UNLESS NOTED OTHERWISE
 - FOR ALL GRATED ENTRY PITS (GEP) & DOUBLE GEPs:
THE INTERNAL DIMENSIONS OF THE JUNCTION PIT COMPONENT OF THE PIT ARE SHOWN IN THE PIT SCHEDULE.
THE INTERNAL DIMENSIONS OF THE GRATED KERB COMPONENT OF THE PIT ARE 900x350 UNLESS NOTED OTHERWISE.
THE "SETOUT RL" SHOWN REFERS TO THE JUNCTION PIT LID.
 - HAUNCHED PITS ARE HAUNCHED UNDER ROAD, UNLESS NOTED OTHERWISE IN PIT SCHEDULE.
- ABBREVIATIONS:
 GJP GRATED JUNCTION PIT
 JP JUNCTION PIT
 GEP GRATED ENTRY PIT
 H HAUNCHED
 DBL DOUBLE



NOTE: ALL OTHER DGEP PIT DETAILS SHALL CONFORM TO EDCM 602 OR 604 AS APPLIC.

DOUBLE GRATED ENTRY PIT (DBL-GEP)
TYPICAL PIT DETAIL
NOT TO SCALE



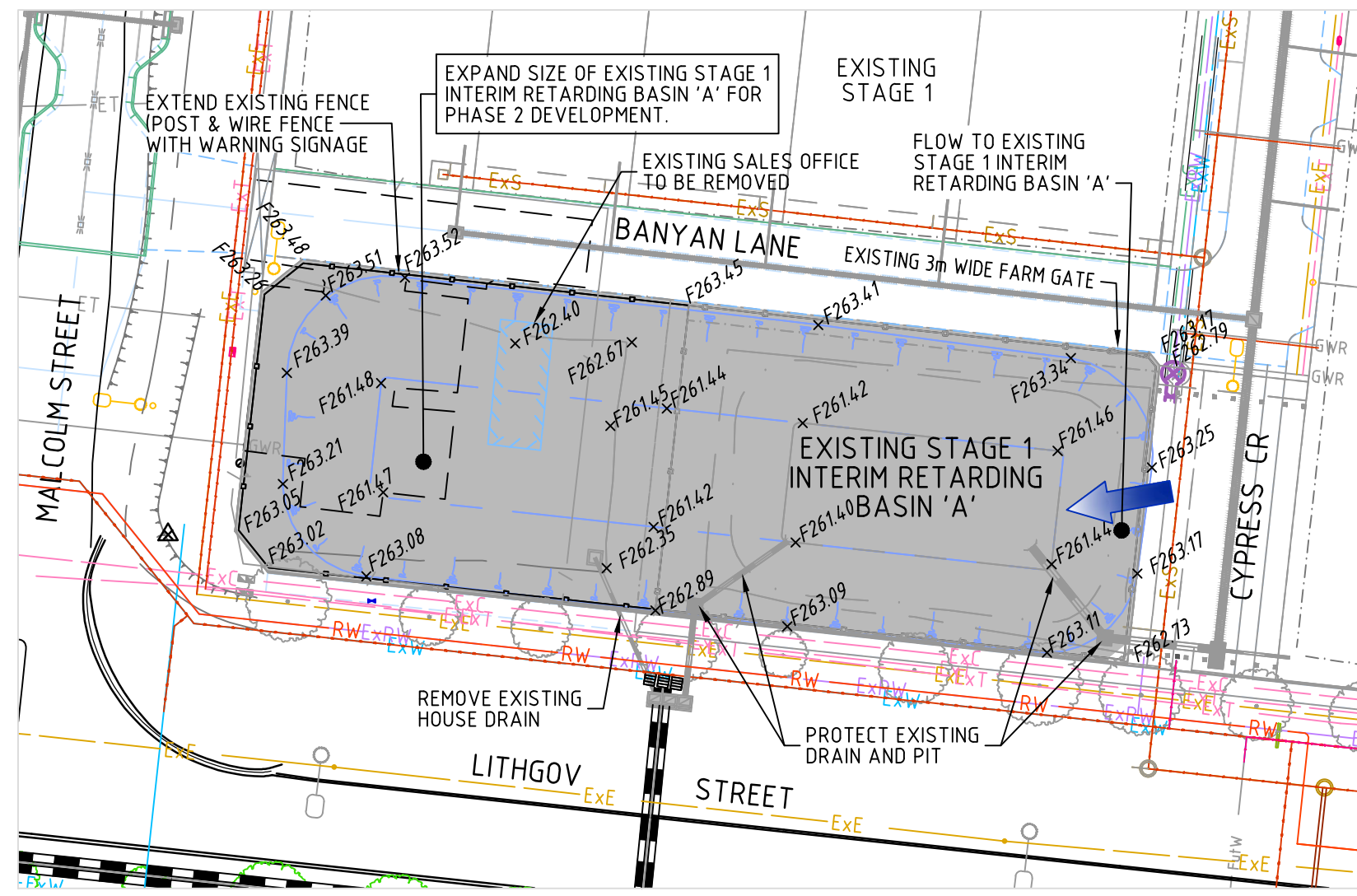
DRAINAGE TRENCH BACKFILL
TYPICAL DETAIL
NOT TO SCALE

WARNING
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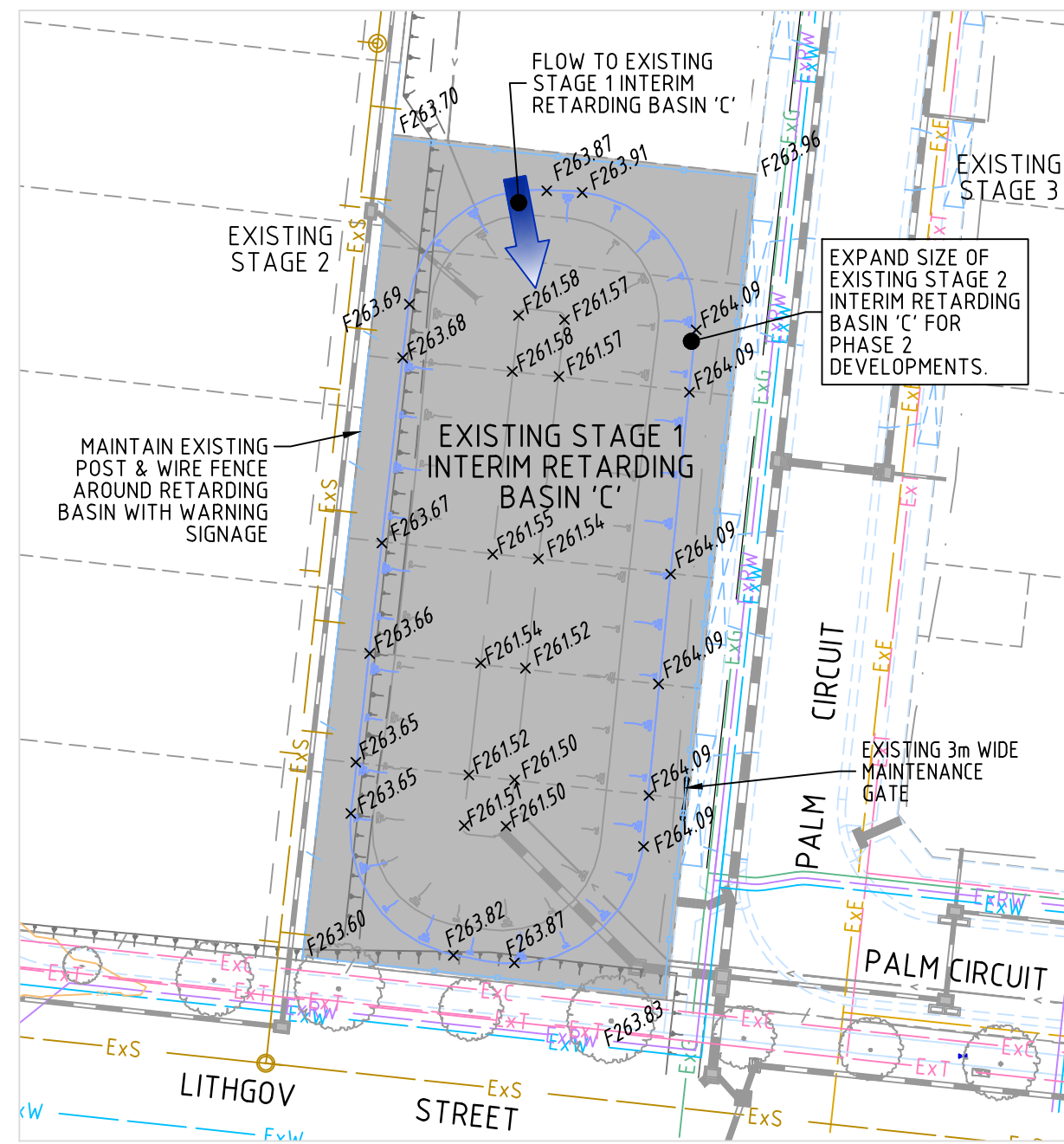
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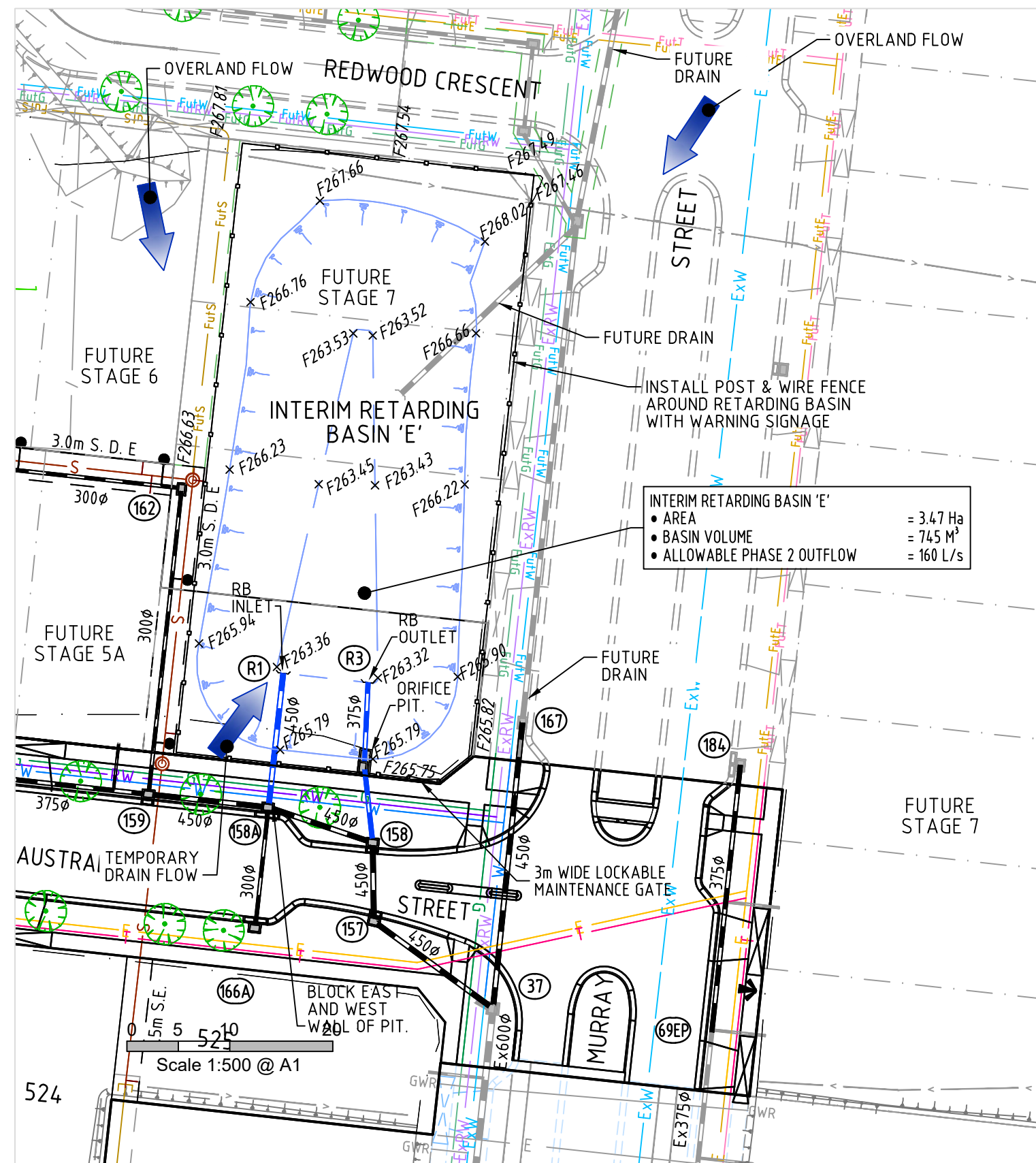
LEGEND		Scale H 1:500 V 1:50 @ A1 Scale H 1:1000 V 1:100 @ A3		DRAWN BY: H.MARES	DESIGNED BY: J.SIGBALAVU	 LAND SURVEYING CIVIL ENGINEERING PLANNING LANDSCAPE ARCHITECTURE DEVELOPMENT CONSULTING www.reedsconsulting.com.au engineering@reedsconsulting.com.au Lvl 6, 440 Elizabeth Street Melbourne Victoria 3000 p 031 8660 3000 Copyright © Reeds Consulting Pty Ltd All Rights Reserved 2001	MITCHELL SHIRE COUNCIL ARROWSMITH AND LITHGOW ST, BEVERIDGE TIMBARRA ESTATE - STAGE 5 DRAINAGE LONGITUDINAL SECTIONS - 3 AND PIT SCHEDULE	DRAWING No. 5R15	VERSION A	
A	PRELIMINARY ISSUE	13.10.22	JS	MELWAY	685 H2			CHECKED BY		REFERENCE 23017E/5
VERSION	REMARKS			DATUM	AHD			AUTHORISED BY		SHEET 15 OF 17



RETARDING BASIN 'A'

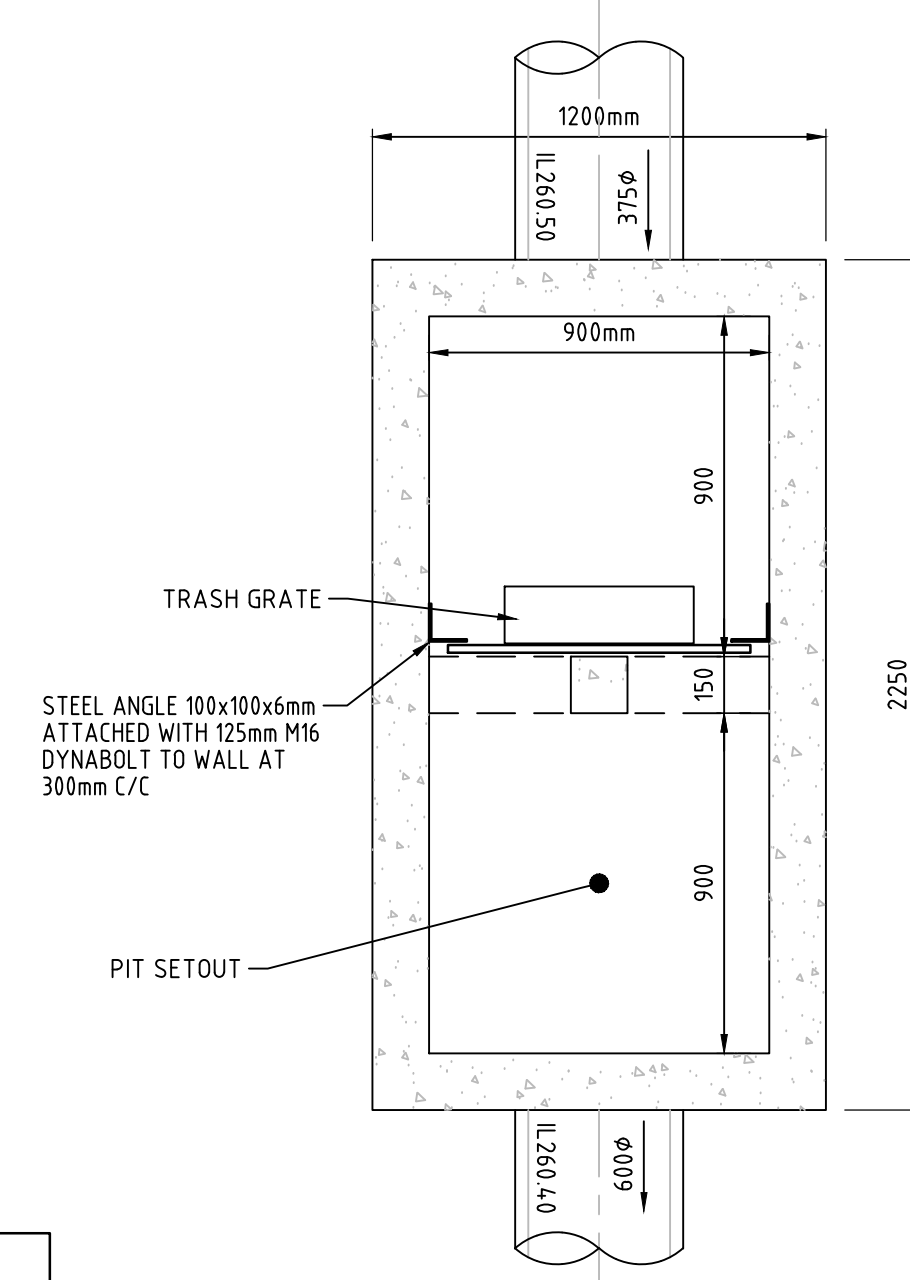


RETARDING BASIN 'C'



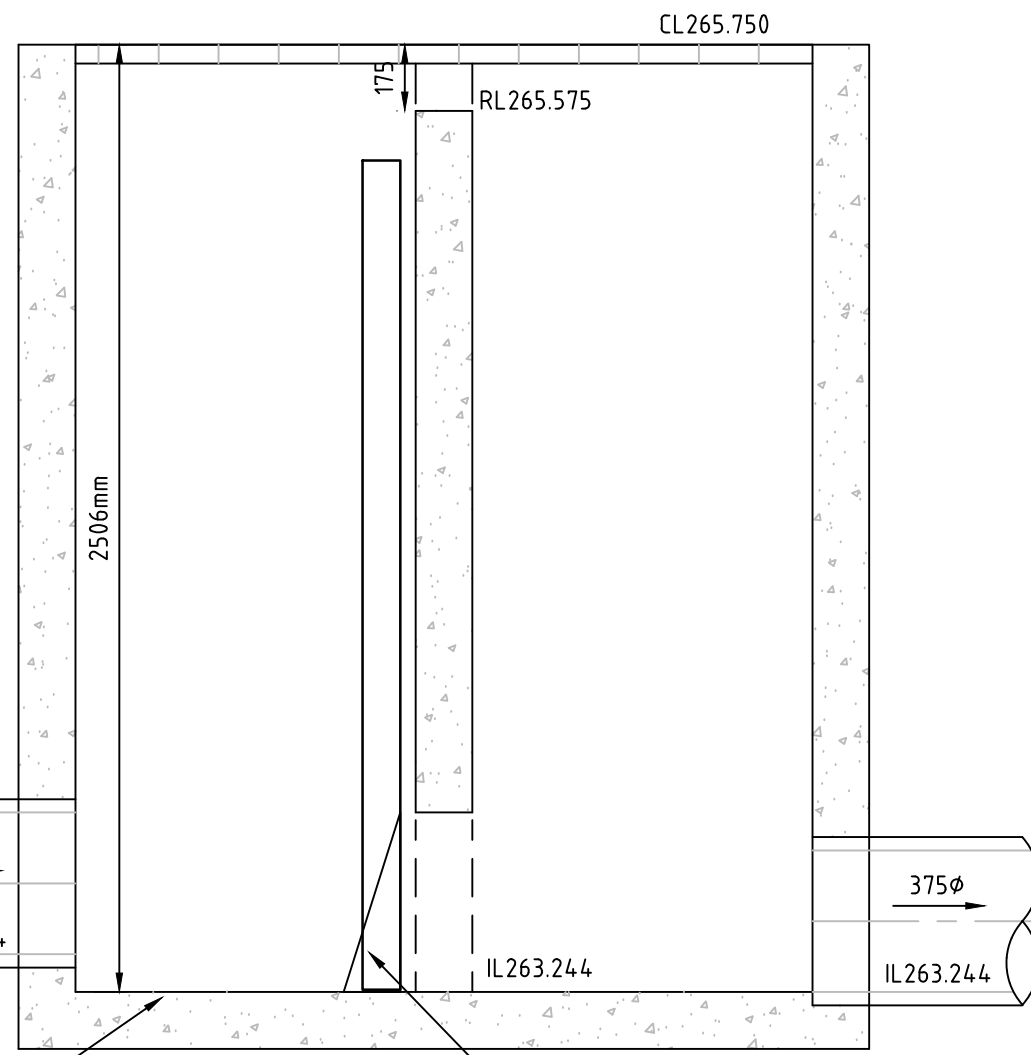
RETARDING BASIN 'E'

NAME	TYPE	PIT		INTERNAL		INLET		OUTLET		PIT		EDCM	REMARKS
		EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH		
158A	GEP	320290.557	5850972.153	0.6	0.9			450	263.436	263.886	1.911	EDCM 601	ROAD DRAINAGE PIT, TEMPORARY CONNECTION
R1	HEADWALL	320291.982	5850985.176			450	263.436	375	263.244	265.75	2.506	EDCM 605	TEMPORARY SAND BAG HEADWALL
R2	JP	320299.864	5850976.256	0.6	0.9	375	263.264	375	263.244	265.75	2.506	EDCM 605	ORIFICE PIT TO EDCM 605, REFER DETAIL.
R3	HEADWALL	320300.235	5850984.274			375	263.181	375	263.331	263.706	0.375	EDCM 601	TEMPORARY SAND BAG HEADWALL
158	GEP	320300.680	5850968.732	0.6	0.9	375	263.181			265.451	2.27	EDCM 601	ROAD DRAINAGE PIT, TEMPORARY CONNECTION

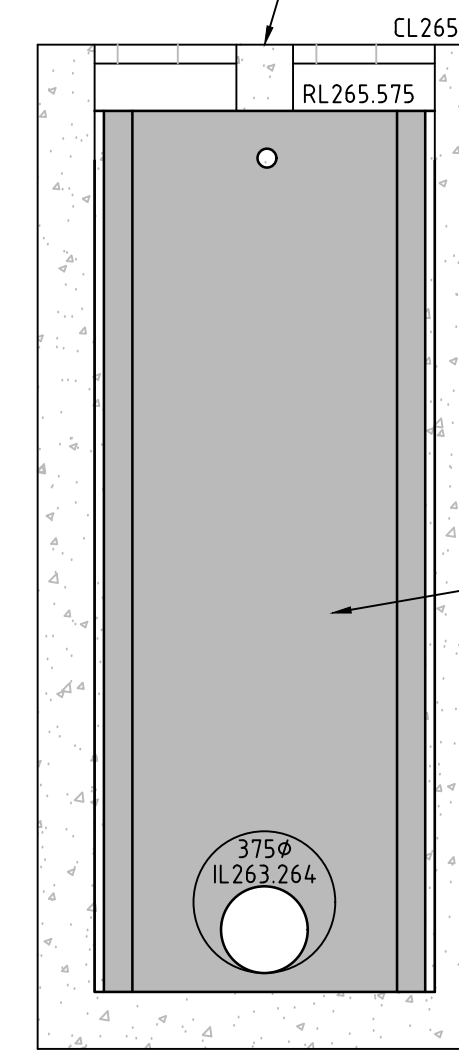


PIT R2 - PLAN VIEW

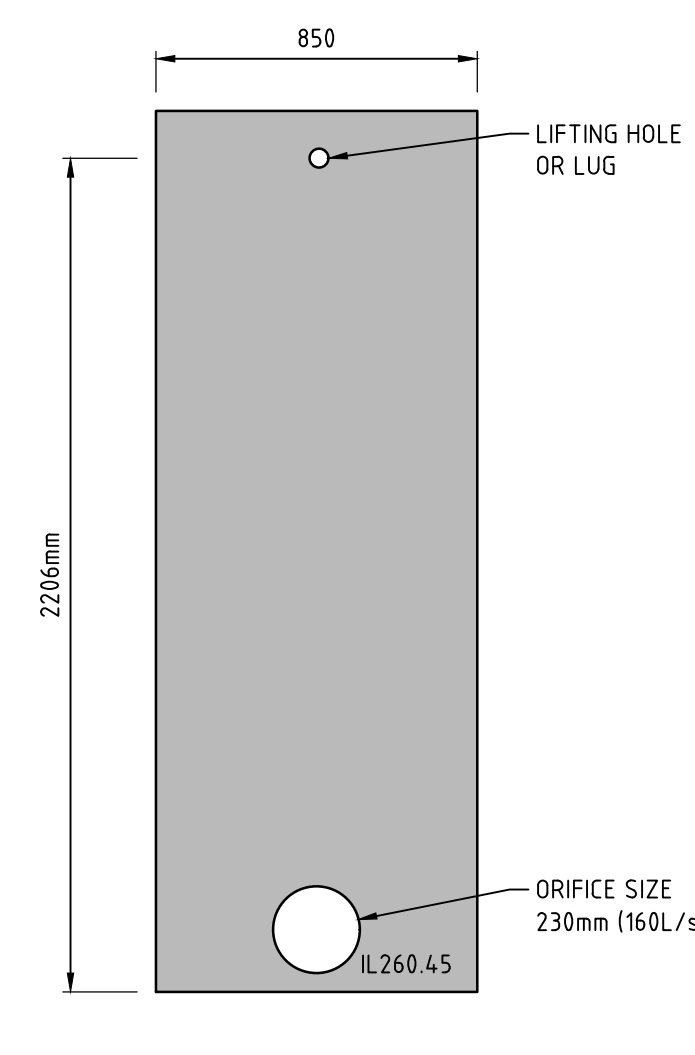
ORIFICE PIT R2: CONSTRUCTION TO EDCM605.



PIT R2 - SECTION



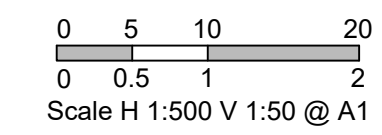
PIT R2 - SECTION



PIT R2 - ORIFICE PLATE

	R1	158A	158	R2	R3
DESIGN FLOW (m ³ /s)	Qa 0.18	Qa 0.36	Qa 0.36	Qa 0.17	Qa 0.17
FLOW CAPACITY (m ³ /s)	Qf 0.18	Qf 1.45	Qf 1.45	Qf 1.61	Qf 1.61
CAPACITY VELOCITY (m/s)	Vf 1.14	Vf 1.45	Vf 1.45	Vf 1.61	Vf 1.61
PIPE SIZE (mm) & TYPE	375φ	RCP 2	RCP 2	RCP 2	RCP 2
GRADE	1 in 250	1 in 120	1 in 120	1 in 120	1 in 120
DATUM	0.4%	0.8%	0.8%	0.8%	0.8%
DATUM	257.0	257.0	257.0	257.0	257.0
DEPTH TO INVERT	0.450	0.450	0.450	0.450	0.450
HYDRAULIC GRADE LINE	263.733	263.733	263.733	263.733	263.733
INVERT	263.436	263.436	263.436	263.436	263.436
FINISHED SURFACE (EXISTING SURFACE)	263.886	263.886	263.886	263.886	263.886
CHAINAGE	0.000	13.100	13.100	13.100	13.100

RB 'E' - DRAINAGE LONGITUDINAL SECTIONS



LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- - - - - HYDRAULIC GRADE LINE

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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

SYMBOL	DESCRIPTION
[Symbol]	DRAIN, PROPERTY INLET & PIT
[Symbol]	EX DRAIN & PIT
[Symbol]	HOUSE DRAIN
[Symbol]	SEWER AND MAINTENANCE HOLE
[Symbol]	EX SEWER AND MAINTENANCE HOLE
[Symbol]	WATER MAIN
[Symbol]	EX WATER MAIN, VALVE & HYDRANT
[Symbol]	GAS MAIN
[Symbol]	EX GAS MAIN, VALVE
[Symbol]	COMMS SERVICES & PITS
[Symbol]	EX COMMS SERVICES & PITS

SYMBOL	DESCRIPTION
[Symbol]	FINISHED SURFACE AFTER CUTTING OR FILLING
[Symbol]	TOP OF PROPOSED BATTER
[Symbol]	PROPOSED PAVEMENT OR FOOTPATH SURFACE
[Symbol]	EXISTING OR PROPOSED INVERT LEVEL OF PIPE OR OPEN DRAIN
[Symbol]	TANGENT POINT
[Symbol]	CHAINAGE
[Symbol]	STREET SIGN
[Symbol]	DRAINAGE PIT No.
[Symbol]	TBM
[Symbol]	EX FENCE
[Symbol]	EX WALL OR BUILDING

DRAWN BY	DESIGNED BY
MELWAY	J.SIGBALAVU

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www.reedsconsulting.com.au
engineering@reedsconsulting.com.au

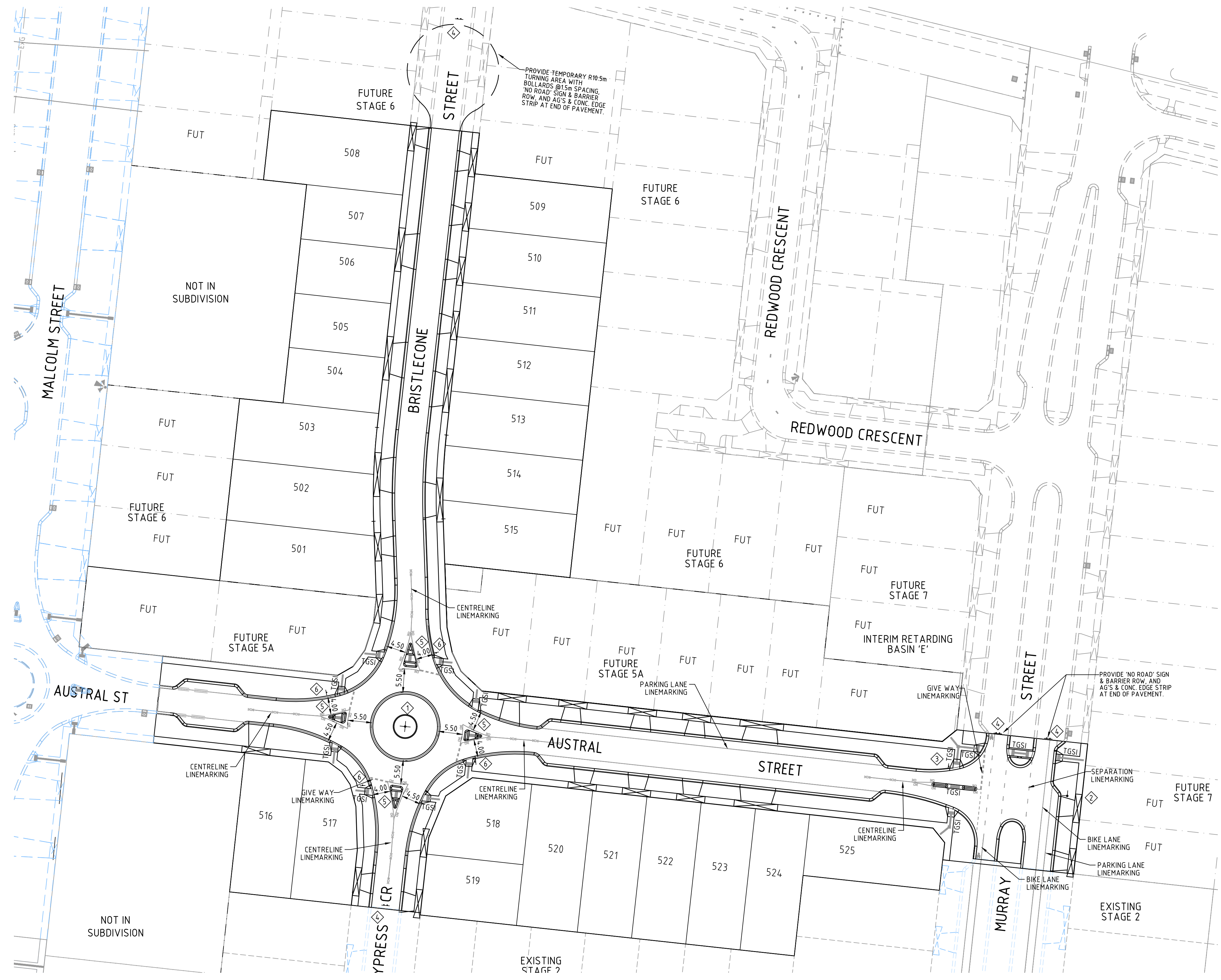
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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
TEMPORARY RETARDING BASINS - DETAIL PLAN,
DRAINAGE LONG SECTIONS, DETAILS AND PIT SCHEDULE

DRAWING No.	VERSION
5R16	A
REFERENCE	23017E/5
SHEET	16 OF 17

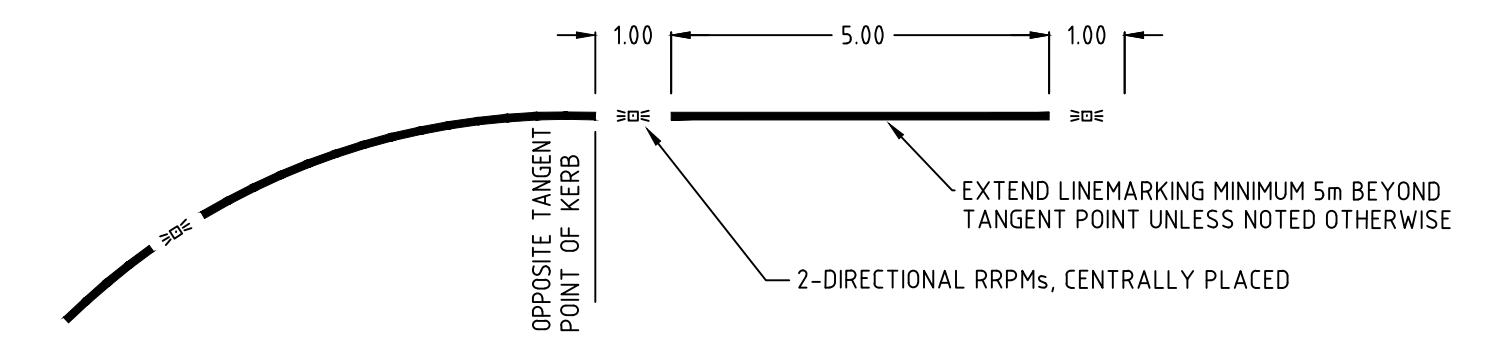
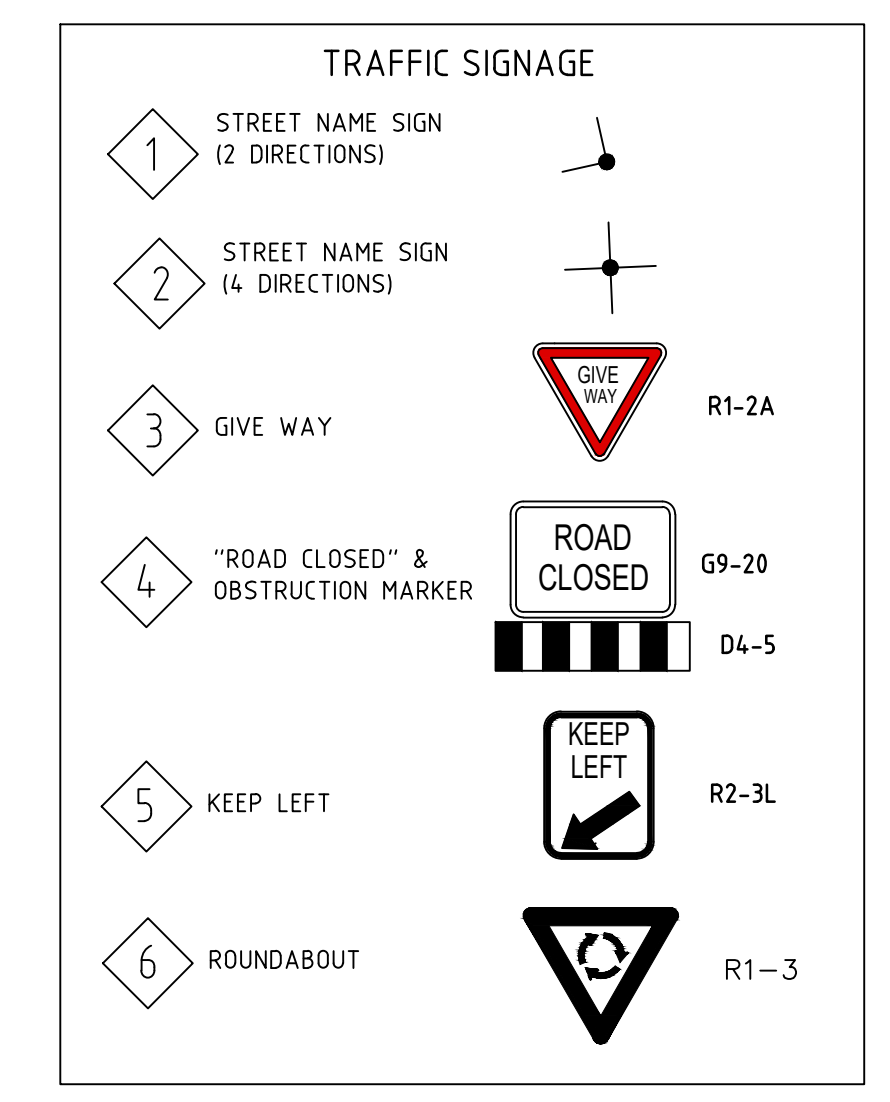
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H:\23017E\STAGE 5\CAD\DWG\SET\ROAD AND DRAINAGE\23017E_5R16_16.DWG



- ### LEGEND
- PROPOSED LINEMARKING
 - - - EXISTING LINEMARKING
 - RRPM (RAISED REFLECTIVE PAVEMENT MARKER)
 - 1 PROPOSED SIGN No. - REFER SIGNAGE LEGEND
 - TGSI (TACTILE GROUND SURFACE INDICATORS)
 - REFER NOTES BELOW.
 - TGSI LATERAL MARKER
 - TGSI DIRECTIONAL MARKER
 - TGSI WARNING MARKER

- ### NOTES
1. ALL DIMENSIONS REFER TO INVERT OF KERB UNLESS NOTED OTHERWISE.
 2. SIGNS, LINEMARKING AND RRPMs SHALL BE INSTALLED IN ACCORDANCE WITH AS1742 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" UNLESS INDICATED OTHERWISE.
 3. TGSI SHALL BE INSTALLED IN ACCORDANCE WITH DDA STANDARD (REFER VICROADS STF 2031), UNLESS NOTED OTHERWISE.
 4. PLANS SHALL BE READ IN CONJUNCTION WITH SHEET 2 AND M.O.C.S. AS-CONSTRUCTED DATA FOR SERVICES.



CENTRELINE LINEMARKING - TYPICAL DETAIL
NOT TO SCALE

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Scale 1:500 @ A1

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VERSION	REMARKS	DATE	BY
A	PRELIMINARY ISSUE	13.10.22	JS

LEGEND		LEGEND		LEGEND	
	DRAIN, PROPERTY INLET & PIT		RECYCLED WATER		F FINISHED SURFACE AFTER CUTTING OR FORMWORK
	HOUSE DRAIN		EX RECYCLED WATER		Fb TOP OF PROPOSED BATTER
	SEWER AND MAINTENANCE HOLE		E ELECTRICAL U.G. SERVICES		P PROPOSED PAVEMENT OR FOOTPATH SURFACE
	EX SEWER AND MAINTENANCE HOLE		IL EXISTING OR PROPOSED INVERT LEVEL OF PIPE		MELWAY
	WATER MAIN		ES ELECTRICAL SERVICE & PIT		STREET SIGN
	EX WATER MAIN, VALVE & HYDRANT		EA EX ELECTRICAL ASSETS		DRAINAGE PIT No.
	GAS MAIN		EO EX ELECTRICAL OVERHEADS		CHAINAGE
	EX GAS MAIN, VALVE		GW GAS & WATER CONDUITS		DATUM
	TELSTRA SERVICES & PITS		Tb TOP OF BATTER		EX FENCE OR BUILDING
	EX TELSTRA SERVICES & PITS		Tb TOP OF BATTER		

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MITCHELL SHIRE COUNCIL
ARROWSMITH AND LITHGOW ST, BEVERIDGE
TIMBARRA ESTATE - STAGE 5
SIGNAGE AND LINEMARKING PLAN

DRAWING No.	VERSION
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REFERENCE	
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